# National Park Visitor Spending and Payroll Impacts 2006



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This report provides updated estimates of NPS visitor spending for 2006 and estimates the economic impacts of visitor spending and the NPS payroll on local economies. Visitor spending and impacts are estimated using the MGM2 model (Stynes et. al., 2000) based on calendar year 2006 park visits, spending averages from park visitor surveys, and local area economic multipliers. Impacts of the NPS payroll are estimated based on fiscal year 2006 payroll data for each park.

Visitor spending impacts are estimated for all park units with visitation data. Payroll impacts are estimated for all parks including administrative units and parks without visit count data. Impacts measure the direct and secondary effects of visitor spending and park payrolls on local economies in terms of jobs, income and value added<sup>1</sup>. Impacts of construction activity and park purchases of goods and services from local firms are not included. Local regions are defined as a 50 mile radius<sup>2</sup> around each park.

Direct effects cover businesses selling goods and services directly to park visitors. Secondary effects include indirect and induced effects resulting from sales to backward linked industries within the local region and household spending of income earned directly or indirectly from visitor spending. Sales in retail and wholesale trade sectors represent the margins accruing to local firms on goods sold to park visitors.

Systemwide totals are estimated by summing the spending and impact estimates for all park units. Results for individual park units are reported in the Appendix.

#### **Visitor Spending**

The National Park System received 273 million recreation visits in 2006. Visitor spending was estimated by dividing visitors to each park into segments with distinct spending patterns and applying spending averages based on surveys of park visitors at selected parks. As spending averages are measured on a party day basis (party nights for overnight trips), the NPS counts of recreation visits are converted from person entries to a park to party days in the area by applying average party size, length of stay and park re-

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<sup>&</sup>lt;sup>1</sup> Jobs include full time and part time jobs. Seasonal positions are adjusted to an annual basis. Personal income covers wages and salaries, including income of sole proprietors and payroll benefits. Value added is the sum of personal income, profits and rents, and indirect business taxes. It can also be defined as total sales net of the costs of all non-labor inputs. Value added is the preferred economic measure of the contribution of an industry or activity to the economy.

<sup>&</sup>lt;sup>2</sup> The fifty mile radius is a general average representing the primary impact region around most parks. The radius is closer to 30 miles for parks in urban settings and can be as large as 100 miles for some western parks. Economic multipliers are based on regions defined as groupings of counties to approximate a 50 mile radius of the park.

entry factors. This adjusts for some double counting of visits. To the extent possible, spending not directly-related to a park visit is excluded<sup>3</sup>.

In 2006 there were 13.3 million recreation overnight stays in the parks representing 3% of all visits. Twenty-eight percent of park visits were day trips by local residents, 43% were day trips from 50 miles or more<sup>4</sup> and 29% involved an overnight stay near the park. Visitor spending depends on the number of days spent in the local area and also the type of lodging on overnight trips. Non-local day trips account for 36% of the party days spent in the local area, local day trips 27%, and overnight stays 37%. Two-thirds of all overnight stays by park visitors are in motels, lodges or B&B's outside the park, another 21% are in campgrounds outside the park and twelve percent are inside the park in NPS campgrounds, lodges or backcountry sites.

NPS Systemwide spending averages for 2006 are given in Table 1 for seven distinct visitor segments<sup>5</sup>. A typical park visitor party on a day trip spends \$39 if a local resident and \$69 if non-local (Table 1). Spending averages do not include park entry fees.

Table 1. National Park Visitor Spending in the Local Area by Segment , 2006 (\$ per party per day/night)

|                       | Visitor Segment |              |        |       |         |        |       |
|-----------------------|-----------------|--------------|--------|-------|---------|--------|-------|
|                       | Local           | Non-local    | Motel- | Camp- | Back-   | Motel- | Camp- |
| Spending category     | Day Trip        | Day Trip     | In     | In    | country | Out    | Out   |
| Motel, hotel cabin or |                 |              |        |       |         |        |       |
| B&B                   | 0.00            | 0.00         | 154.43 | 0.00  | 7.86    | 100.95 | 0.00  |
| Camping fees          | 0.00            | 0.00         | 0.00   | 18.79 | 3.49    | 0.00   | 22.58 |
| Restaurants & bars    | 12.27           | 19.75        | 56.88  | 12.09 | 10.16   | 49.35  | 12.68 |
| Amusements            | 4.37            | 9.23         | 19.67  | 7.75  | 6.02    | 16.66  | 14.68 |
| Groceries             | 5.93            | 7.16         | 9.71   | 15.19 | 7.04    | 12.56  | 9.19  |
| Gas & oil             | 7.40            | 17.88        | 21.81  | 19.26 | 16.99   | 16.93  | 16.83 |
| Local transportation  | 0.51            | 1.23         | 3.33   | 1.20  | 0.75    | 2.58   | 1.05  |
| Souvenirs             | <u>8.22</u>     | <u>13.94</u> | 24.81  | 11.00 | 15.21   | 22.57  | 18.36 |
| Total                 | 38.70           | 69.19        | 290.64 | 85.29 | 67.51   | 221.59 | 95.37 |

On a party night basis, spending by visitors on overnight trips varies from \$68 for backcountry campers to \$291 for visitors staying in park lodges. Campers spend \$95 per night if staying outside the park and \$85 if staying inside the park. Spending averages at individual parks vary from these systemwide averages due to differences in local prices and spending opportunities. For example, while non-local visitors on day trips spent \$32

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<sup>&</sup>lt;sup>3</sup> For example, spending during extended stays in an area visiting relatives, on business, or when the park visit was not the primary trip purpose. For most historical sites and parks in urban areas spending for one day or night is counted for each park entry. Where several park units are within a 50 mile radius, adjustments are made for those visiting more than one park on the same day.

<sup>&</sup>lt;sup>4</sup> Day trips include pass thru visitors not spending a night within 50 miles of the park as well as stays with friends and relatives and in owned seasonal homes.

<sup>&</sup>lt;sup>5</sup> Systemwide spending averages are compiled from averages at individual parks based on the distribution of visitors by park and segment. It is not possible to provide error estimates for the systemwide averages as parks with visitor surveys do not constitute a statistical sample of all park visitors. Over 14,000 NPS visitors have provided spending information since 2000. See the methods section for details on estimates of spending averages for individual parks.

per party at Craters of the Moon NM, their counterparts at Grand Canyon spent \$131. Visitors staying in park lodges spent over \$500 per party per night at Grand Teton NP.

In total, park visitors spent \$10.73 billion in the local region surrounding the parks in 2006<sup>6</sup>. Local residents account for 10% of this spending (Table 2). Visitors staying in motels and lodges outside the park account for over half of the total spending while non-local visitors on day trips contribute about a quarter of all spending. Over half of the visitor spending is for lodging and restaurant meals (Figure 1).

Table 2. National Park Visitor Spending by Segment, 2006

| Segment                  | Total Spending \$Millions | Pct of<br>Spending |
|--------------------------|---------------------------|--------------------|
| Local Day Trip           | \$1,086                   | 10%                |
| Non-local Day Trip       | \$2,554                   | 24%                |
| Lodge-In Park            | \$333                     | 3%                 |
| Camp-In Park             | \$240                     | 2%                 |
| Backcountry Campers      | \$38                      | 0%                 |
| Motel-Outside Park       | \$5,655                   | 53%                |
| Camp-Outside Park        | \$755                     | 7%                 |
| Other Overnight Visitors | <u>\$68</u>               | <u>1%</u>          |
| Total                    | \$10,728                  | 100%               |

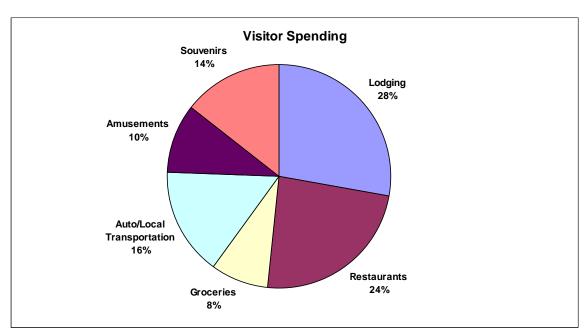


Figure 1. Distribution of National Park Visitor Spending

<sup>&</sup>lt;sup>6</sup> Spending figures exclude airfares and other trip spending beyond 50 miles of the park. Purchases of durable goods (boats, RV's) and major equipment are also excluded. Special expenses for commercial rafting trips, air overflights, and other special activities are not fully captured for all parks.

#### **Impacts of Visitor Spending**

Economic impacts of visitor spending are estimated in the MGM2 model using multipliers for local areas around each park<sup>7</sup>. Multipliers capture both the direct and secondary economic effects in gateway communities around the parks in terms of jobs, personal income, and value added. National totals are the sum of the local impacts for 355 park units that have counts of visitors.

Both economic significance and economic impacts were estimated. The economic significance estimates in Table 3 measure the impacts of all visitor spending (\$10.7 billion) including that of local visitors. Economic impacts in Table 4 exclude spending by local residents, estimating the impacts of the \$9.6 billion spent by visitors who do not reside within the local region.

Economic impact measures attempt to estimate the likely losses in economic activity to the region in the absence of the park<sup>8</sup>. Should the park opportunities not be available, it is assumed that local residents would spend the money on other local activities, while visitors from outside the region would not have made a trip to the region. Local resident spending is included in the economic significance measures, as these capture all economic activity associated with park visits, including local and non-local visitors. Spending by local residents on visits to the park do not represent "new money" to the region and are therefore generally excluded when estimating impacts.

To the extent possible, spending not directly associated with a park visit is also excluded in the impact estimates. For example, only one night's expenses are counted for visitors in the area primarily on business, visiting relatives, or visiting other attractions. For parks with visitor surveys, spending attributed to a park visit was estimated based on the percentage of visitors identifying the park visit as the primary purpose of the trip.

#### **Economic Significance**

The \$10.7 billion spent by park visitors within 50 miles of the park (Table 2) has a total local economic effect (significance) of \$13.0 billion in sales, \$4.5 billion in personal income, and \$7.0 billion in value added. Visitor spending supports about 213,000 jobs in gateway regions. Total effects may be divided between the direct effects that occur in businesses selling goods and services directly to park visitors and secondary effects that result from the circulation of this money within the local economy<sup>9</sup>.

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<sup>&</sup>lt;sup>7</sup> Sets of sector-specific multipliers in the MGM2 model were estimated with the IMPLAN system for four types of regions varying in population size and levels of economic development. A region type is assigned to each park based on surrounding populations. MGM2 multipliers are based on IMPLAN's Type II multipliers estimated with 2001 IMPLAN data for over 500 distinct regions. Job to sales ratios were adjusted to 2006 using the consumer price index.

<sup>&</sup>lt;sup>8</sup> The impact estimates do not take into account economic activity that might be generated by alternative uses of parks lands and facilities. Impacts represent reductions in local economic activity associated with the loss of visitor spending attributable to park visits.

<sup>&</sup>lt;sup>9</sup> Secondary effects include indirect effects of businesses buying goods and services from backward-linked local firms and induced effects of household spending of their earnings.

Direct effects are \$8.7 billion in sales, \$3.3 billion in personal income, \$4.9 billion in value added and 173,000 jobs. The local region captures 80% of all visitor spending as direct sales. Note that direct sales of \$8.7 billion is less than the \$10.7 billion in visitor spending as the manufacturing share of most retail purchases (groceries, gas, sporting goods, souvenirs) immediately leaks out of the region to cover the cost of goods sold. Sales figures for retail and wholesale trade are the margins on these purchases. A small share of the manufacturing of these goods (producer prices) is assigned to local production.

The average sales multiplier across all local park regions is 1.50, which means for every dollar of direct sales another \$ .50 in sales is generated in the region thru secondary effects.

Table 3. Economic Significance of National Park Visitor Spending to Local Economies, 2006

|                             | Sales          |               | Personal<br>Income | Value<br>Added |
|-----------------------------|----------------|---------------|--------------------|----------------|
| Sector/Spending category    | \$Millions     | Jobs          | \$Millions         | \$Millions     |
| Direct Effects              |                |               |                    |                |
| Motel, hotel cabin or B&B   | \$2,780        | 54,389        | \$1,221            | \$1,986        |
| Camping fees                | \$235          | 1,577         | \$29               | \$69           |
| Restaurants & bars          | \$2,572        | 63,552        | \$1,019            | \$1,152        |
| Amusements                  | \$1,067        | 21,148        | \$394              | \$662          |
| Other vehicle expenses      | \$112          | 811           | \$21               | \$49           |
| Local transportation        | \$32           | 690           | \$14               | \$16           |
| Retail Trade                | \$1,314        | 28,069        | \$533              | \$723          |
| Wholesale Trade             | \$230          | 2,090         | \$87               | \$153          |
| Local Production of goods   | <u>\$336</u>   | <u>965</u>    | <u>\$30</u>        | <u>\$45</u>    |
| <b>Total Direct Effects</b> | \$8,679        | 173,292       | \$3,348            | \$4,857        |
| Secondary Effects           | <u>\$4,334</u> | <u>39,515</u> | <u>\$1,167</u>     | <u>\$2,148</u> |
| <b>Total Effects</b>        | \$13,013       | 212,807       | \$4,516            | \$7,006        |

Note: Economic significance covers all \$10.7 billion in spending of park visitors in the local region, including that of local visitors.

#### **Economic Impacts**

Excluding \$1.1 billion dollars spent by local residents on park visits reduces the total spending to \$9.6 billion (Table 2) for the impact analysis. Local visitors represent about 28% of all visits, but only 10% of all visitor spending. The total effects of visitor spending excluding locals is \$11.6 billion in sales, \$4.0 billion in personal income, \$6.2 billion in value added and 190,000 jobs. The four economic sectors most directly affected are lodging, restaurants, retail trade and amusements. Visitor spending supports roughly 54,000 jobs in each of the hotel and restaurant sectors, over 23,000 jobs in retail trade, and 18,000 jobs in the amusements sector.

Table 4. Economic Impacts of National Park Visitor Spending on Local Economies, 2006

| Sales<br>\$Millions | Jobs   | Personal<br>Income<br>\$Millions   | Value<br>Added<br>\$Millions  |
|---------------------|--|--|---|
|                     |  |  |   |
| \$2,724             | 53,510   | \$1,190  | \$1,921   |
| \$231               | 1,552  | \$28   | \$67  |
| \$2,181             | 54,093   | \$859  | \$964   |
| \$925               | 18,397   | \$339  | \$566   |
| \$95                | 695  | \$18   | \$42  |
| \$31                | 679  | \$14   | \$15  |
| \$1,092             | 23,418   | \$440  | \$593   |
| \$191               | 1,745  | \$72   | \$126   |
| <u>\$273</u>        | <u>773</u>   | <u>\$24</u>  | <u>\$36</u>   |
| \$7,744             | 154,861  | \$2,984  | \$4,329   |
| \$3,842             | 35,068   | \$1,033  | <u>\$1,904</u>  |
| \$11,586            | 189,929  | \$4,017  | \$6,233   |
|                     | \$Millions  \$2,724 \$231 \$2,181 \$925 \$95 \$31 \$1,092 \$191 \$273 \$7,744 \$3,842 \$11,586 | \$Millions Jobs  \$2,724 53,510 \$231 1,552 \$2,181 54,093 \$925 18,397 \$95 695 \$31 679 \$1,092 23,418 \$191 1,745 \$273 773 \$7,744 154,861 \$3,842 35,068 \$11,586 189,929 | Sales         Income           \$Millions         \$Jobs         \$Millions           \$2,724         53,510         \$1,190           \$231         1,552         \$28           \$2,181         54,093         \$859           \$925         18,397         \$339           \$95         695         \$18           \$31         679         \$14           \$1,092         23,418         \$440           \$191         1,745         \$72           \$273         773         \$24           \$7,744         154,861         \$2,984           \$3,842         35,068         \$1,033 |

Note: Economic impacts exclude spending of local visitors.

#### **Impacts of NPS payrolls**

National park units also impact local economies through their own spending, especially NPS payrolls <sup>10</sup>. Payroll impacts were estimated for fiscal year (FY) 2006. In FY 2006 the National Park Service employed 24,284 people<sup>11</sup> with a total payroll of \$1,163 million in wages and salaries and \$302 million in payroll benefits (Table 5). The local economic impacts of park payrolls are \$1.8 billion in personal income, \$2.0 billion in value added and almost 36,000 jobs.

Table 5. NPS Payroll Impacts on Local Economies, 2006

|                            |                 | Payroll      |              |
|----------------------------|-----------------|--------------|--------------|
|                            | Salary          | Benefits     |              |
| Payroll                    | (\$Millions)    | (\$Millions) | Jobs         |
|                            |                 |              | _            |
| Park units with visit data | 790             | 209          | 17,813       |
| Other units                | <u>373</u>      | <u>92</u>    | <u>6,471</u> |
| Total                      | 1,163           | 302          | 24,284       |
|                            |                 |              |              |
|                            | Personal Income | Value Added  | _            |
| <b>Local Impacts</b>       | (\$Millions)    | (\$Millions) | Jobs         |
| Park units with visit data | 1,215           | 1,375        | 25,357       |
| Other units                | <u>585</u>      | <u>664</u>   | 10,447       |
| Total                      | 1,800           | 2,039        | 35,804       |

<sup>&</sup>lt;sup>10</sup> Impacts of park purchases of supplies, services, and construction are not addressed as information on the proportion of these expenses accruing to local firms is not readily available.

11 The number of employees is estimated as an annual average for each park, so that seasonal positions are

converted to annual equivalents. However, the job estimates include both full time and part time positions.

Impacts of park payrolls for each park unit were estimated by applying economic multipliers to wage and salary data to capture the induced effects of NPS employee spending on local economies. As with the MGM2 model, distinct multipliers were used for parks in rural areas, parks in or near small cities, and parks in larger metropolitan regions <sup>12</sup>. The overall employment multiplier for NPS jobs is 1.5. For every two NPS jobs, another job is supported through the induced effects of employee spending in the local region. There are additional local economic effects from NPS purchases of goods and services from local suppliers and from construction activity. These impacts were not estimated.

The visitor spending and payroll impacts may be combined, as park admission fees and most other visitor spending accruing to the National Park Service were omitted from the visitor spending figures to avoid double counting <sup>13</sup>. Using the visitor spending impact estimates from Table 4, which exclude spending of local visitors, the combined impacts are \$5.8 billion in personal income, \$8.3 billion in value added, and 226,000 local jobs. Visitor spending accounts for 84% of the total jobs and 75% of the total value added (Table 6).

Table 6. Combined Impacts - Visitor Spending and Payroll, 2006

|                              | Visitor              |             |          | Visitor  |
|------------------------------|----------------------|-------------|----------|----------|
|                              | Spending             | NPS Payroll | Combined | Spending |
| Impact Measure               | Impacts <sup>a</sup> | Impacts     | Impacts  | Share    |
| <b>Direct Effects</b>        |                      |             |          |          |
| Personal Income (\$Millions) | \$2,984              | \$1,465     | \$4,448  | 67%      |
| Value Added (\$Millions)     | \$4,329              | \$1,465     | \$5,793  | 75%      |
| Jobs                         | 154,861              | 23,978      | 178,839  | 87%      |
| Total Effects                |                      |             |          |          |
| Personal Income (\$Millions) | \$4,017              | \$1,800     | \$5,817  | 69%      |
| Value Added (\$Millions)     | \$6,233              | \$2,039     | \$8,272  | 75%      |
| Jobs                         | 189,929              | 35,804      | 225,733  | 84%      |

a. Excludes spending by local visitors

#### **State-by-State Impact Estimates**

Economic impacts of individual parks can be aggregated to the state level with a few complications. While most parks fall within a single state, there are at least 20 park units with facilities in more than one state. For these parks, shares of visits were assigned to each state based on percentages provided by the NPS Public Use Statistics Office. It was assumed that spending and economic impacts are proportional to where the recreation visits were assigned. Estimates of recreation visits, spending and local economic impacts for each state and U.S. territory are given in Table A-4 in the Appendix. States receiving the greatest economic effects are California, Washington D.C., Arizona and North Carolina.

<sup>&</sup>lt;sup>12</sup> Multipliers for household spending were estimated in IMPLAN using the spending patterns of households with incomes of \$50,000 -\$75,000.

<sup>&</sup>lt;sup>13</sup> There will be some double counting of camping fees as payments to concessionaires could not be fully sorted out from payments to the NPS.

It should be noted that the state totals represent an accumulation of local impacts within roughly 50 miles of each park. The total economic effects on each state would be much larger if we estimated all spending of NPS visitors taking place within each state and used statewide multipliers instead of local ones to capture the secondary effects. As noted earlier, impacts reported here do not include long distance travel, airfares, or purchases made at home for items that may be used on trips to national parks.

#### **Trends 2001-2005**

Recent trends in national park visits, spending and impacts are summarized in Table 7. Spending and economic impacts follow the trends in recreation visits. A small decline in visits in 2006 was offset by spending increases of 4.5% to yield an increase in overall visitor spending of 3.0%. For consistency with prior years, spending and impact figures in this table include local visitors. Impacts excluding local visitors are about 10% lower than when local visitors are included.

Table 7. NPS System Recreation Visits, Spending and Impacts 2002-2006 a

| <i>_</i>                                  |          |          |          |                    |                    |
|---|----------|----------|----------|--------------------|--------------------|
|   | 2002     | 2003     | 2004     | 2005               | 2006               |
| Recreation Visits (Millions)              | 277.3    | 266.1    | 276.9    | 272.6 <sup>e</sup> | 272.3 <sup>e</sup> |
| Party Days/Nights (Millions) <sup>b</sup> | 107.6    | 103.2    | 107.3    | 105.6              | 103.4              |
| Spending per party day                    | \$88     | \$91     | \$96     | \$99               | \$104              |
| Total Spending (\$Millions)               | \$9,509  | \$9,403  | \$10,281 | \$10,423           | \$10,727           |
| Direct Effects                            |          |          |          |                    |                    |
| Direct <sup>c</sup> Sales (\$Millions)    | \$7,887  | \$7,741  | \$8,407  | \$8,387            | \$8,679            |
| Direct jobs                               | 191,381  | 183,767  | 193,478  | 186,807            | 173,292            |
| Direct income (\$Millions)                | \$2,787  | \$2,737  | \$2,973  | \$2,992            | \$3,348            |
| Direct value added (\$Millions)           | \$4,222  | \$4,148  | \$4,506  | \$4,535            | \$4,857            |
| <b>Total Local effects</b> <sup>d</sup>   |          |          |          |                    |                    |
| Total sales (\$ Millions)                 | \$11,459 | \$11,240 | \$12,206 | \$12,238           | \$13,013           |
| Total jobs                                | 240,806  | 231,102  | 243,398  | 234,803            | 212,807            |
| Total income (\$Millions)                 | \$4,080  | \$4,004  | \$4,349  | \$4,381            | \$4,516            |
| Total value Added (\$ Millions)           | \$6,455  | \$6,336  | \$6,884  | \$6,943            | \$7,006            |

Note: All dollar figures are actual dollars, not adjusted for inflation.

- a. Spending and impact figures include visitors from the local area.
- b. Adjusts visits for park re-entries, party sizes, and length of stay in the region. Measured in days for day trips and nights for overnight trips. To the extent possible, only days/nights in the local area directly related to the park visit are counted. Average party sizes range from 2.0 3.0 across parks and visitor segments, systemwide the average party size is 2.6.
- c. Direct effects accrue to tourism-related businesses selling goods and services directly to park visitors. Jobs include full time and part time jobs. Seasonal jobs are adjusted to an annual basis. Income is personal income including wages and salaries, income of sole proprietors, and payroll benefits. Value added includes all personal income, rents and profits and indirect business taxes.
- d. Total local effects include direct, indirect and induced effects in the local regions around NPS units
- e. Beginning in 2005, visits to Kings Canyon and Sequoia National Parks were combined for the economic analysis and the combined visits for the two units were reduced to account for some double counting. Visit figures for these years are therefore slightly lower than those in the NPS Abstract.

#### Methods

Spending and impacts were estimated using the Money Generation Model version 2 (MGM2). NPS public use statistics for calendar year 2006 provide estimates of the number of recreation visits and overnight stays at each park. For each park, recreation visits were allocated to the seven MGM2 segments <sup>14</sup>, converted to party days/nights spent in the local area and then multiplied by per day spending averages for each segment. Spending and impact estimates for 2006 are made individually for each park unit and then summed to obtain systemwide totals. The system totals are therefore a sum of local impacts at each park, not an overall estimate of the impacts on the national economy <sup>15</sup>.

Spending averages for seven distinct visitor segments based on visitor surveys at selected national parks over the past six years were price adjusted to 2006 using Bureau of Labor Statistics (BLS) price indices. Spending averages cover all trip expenses within roughly 50 miles of the park. They therefore exclude most en route expenses on longer trips, as well as airfares, and purchases made at home in preparation for the trip, including costs of durable goods and equipment.

Spending averages vary from park to park based on the type of park and the regional setting (low, medium or high spending area). For parks with recent visitor surveys, spending averages are estimated directly from the survey data with some adjustments for off-season use <sup>16</sup>. Parks without recent visitor spending studies are assigned the MGM2 high, medium, or low spending profiles based on manager or researcher judgments.

The segment mix is very important in estimating visitor spending as spending varies considerably across the MGM2 segments. Segment shares are estimated based on park overnight stay data and, where available, park visitor surveys. For park units that lack recent visitor surveys, estimates are made by generalizing from studies at similar parks or based on manager or researcher judgment.

For parks with VSP studies (Visitor Services Project) over the past seven years, spending averages are estimated from the survey data at each park <sup>17</sup>. Averages estimated

<sup>&</sup>lt;sup>14</sup> Visits are classified as local day trips, non-local day trips, and overnight trips staying in campgrounds or hotels, lodges, cabins and B&B's. For parks with lodging facilities within the park, visitors staying in park lodges, campgrounds or backcountry sites are distinguished from those staying outside the park in motels or non-NPS campgrounds. Visitors staying with friends or relatives, in owned seasonal homes, or passing through without a local overnight stay are generally treated as day trips.

<sup>&</sup>lt;sup>15</sup> Applying park visitor spending to a national model/set of multipliers would capture 98% of visitor spending as direct sales (instead of the 80% that accrues to firms in the local regions around each park) and would also yield significantly larger secondary effects. National sales multipliers for tourism spending are about 2.5, while the average sales multiplier for local regions around parks is only 1.5.

<sup>&</sup>lt;sup>16</sup> Most park surveys are conducted during the peak season, so estimates of segment shares and spending must be adjusted for seasonal differences.

<sup>&</sup>lt;sup>17</sup> Detailed impact reports for parks that have included economic questions in their VSP studies are available at the MGM2 (<a href="http://web4.canr.msu.edu/mgm2/">http://web4.canr.msu.edu/mgm2/</a>) or NPS social science websites (<a href="http://www.nature.nps.gov/socialscience/products.cfm#MGM2Reports">http://www.nature.nps.gov/socialscience/products.cfm#MGM2Reports</a>).

in the surveys were price adjusted to 2006 using BLS price indices for each spending category. Sampling errors for the spending averages in VSP studies are generally 5-10% overall and can be as high as 20% for individual visitor segments.

The observed spending patterns in park visitor studies are then used to estimate spending averages for other parks that lack visitor spending surveys. This procedure will not capture some spending variations attributable to unique characteristics of a given park or gateway region, for example, the wider use of public transportation at Alaska parks or extra expenses for special commercial attractions in or around some parks, such as rafting trips, flightseeing and other tours. When visitor studies are conducted at individual parks, these unique situations are taken into account. For example, river runners were treated as a distinct segment at Grand Canyon National Park (Stynes and Sun 2005).

Multipliers for local regions around national parks<sup>18</sup> were applied to the spending totals to translate spending into jobs, income and value added and also to estimate secondary effects. All MGM2 multipliers were re-estimated for 2006 using 2001 IMPLAN data, based on the North American Industrial Classification System (NAICS). Previous MGM2 estimates employed multipliers from 1996 IMPLAN models with economic sectors based on SIC codes. The updating of multipliers reduces job estimates by about 10% compared to previous estimates, due to declining job to sales ratios in many of the key tourism-related sectors.

For most parks, we use generic multipliers built into the MGM2 model (Stynes and Sun 2000)<sup>19</sup>. The appropriate generic multipliers for each park are selected based on the population of the surrounding region. Generic multipliers were estimated as averages across over 100 distinct IMPLAN models for each type of region. The maximum observed absolute deviations between the IMPLAN multipliers for individual regions and the corresponding generic multiplier for that region are generally 10% or less and on average the differences are less than 5% (Chang 2001). The larger deviations, typically in job to sales ratios, can be due to errors in the underlying IMPLAN data. In this respect, the generic multipliers average out some errors in IMPLAN data for individual regions.

The generic approach to multipliers works well for tourism-related applications because the vast majority of visitor spending accrues to service industries. These sectors are quite labor intensive and the other inputs to production are primarily utilities and services that tend to exist in an area in direct proportion to population size. Hence secondary effects are predicted fairly well based on the local population size.

Note that the IMPLAN estimates of the ratios of income and value added to sales for each sector are essentially constant across regions since IMPLAN uses a national average production function for each sector. Only the IMPLAN estimates of job to sales

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 $<sup>^{18}</sup>$  Multipliers are developed using the IMPLAN input-output modeling system (MIG, Inc.).

<sup>&</sup>lt;sup>19</sup> For some parks we have used custom IMPLAN models estimated for the county or counties around the park to derive the multipliers. In all of these cases, the impact results with the custom multipliers were not significantly different than with the appropriate generics.

ratios and secondary effects vary significantly between regions and these variations are captured quite well for service and retail sectors by the population of the region.

With the exception of parks with new visitor surveys in 2004 or 2005, no changes were made in party sizes, lengths of stay or re-entry factors between 2005 and 2006. Local economic ratios and multipliers were also assumed constant, except for job to sales ratios, which were adjusted to 2006 based on the consumer price index. MGM2 model parameters for individual parks are adjusted over time as new park visitor studies are conducted or other relevant information becomes available.

Impacts of park payrolls were estimated for each park by applying local area multipliers to NPS wage and salary figures for FY 2006. Multipliers capture the induced effects of park employee spending by recirculating their income as household spending within the local economy. Payroll benefits were not re-circulated in estimating secondary effects of park employee spending, but the direct payroll benefits are included in total value added. Four sets of household spending multipliers were estimated to capture variations in impacts across regions based on population size<sup>20</sup>. Local impacts of park purchases of supplies and services or construction activities were not included in the analysis.

The number of employees for each park was estimated by totaling the number of distinct social security numbers in each pay period and dividing by the number of pay periods. The figure is therefore an annual average. Four seasonal jobs for three months count as one job. No distinction is made between part time and full time employees.

Jobs, salary and payroll benefits are assigned to the park where the employee's time was charged, which may differ from their duty station. Where possible, the unit org codes were used to separate out payroll data for parks that are administered under a different park alpha code<sup>21</sup>.

Spending and impact totals for states were developed from the 2005 estimates by simply summing the results for all units in a given state using the mailing address for the park to identify the state. For 2006, we identified 20 parks with facilities in more than one state. For these parks, visitors and spending were allocated to individual states based on shares provided by the NPS Public Use Statistics Office. For example, visits to Great Smoky Mountains NP were split 44% to North Carolina and 56% to Tennessee. It should be noted that these allocations may not fully account for where the spending and impacts occur. There are also many other parks with facilities in a single state, but located within 50 miles of a state border. A portion of the spending and impacts for these parks may

<sup>&</sup>lt;sup>20</sup> IMPLAN's spending patterns for households averaging \$50,000- \$75,000 were used to estimate the multipliers.

<sup>&</sup>lt;sup>21</sup> Each park has a four letter alpha code. Budgets, however, are itemized by organization (org) codes. A given park may receive funds under several distinct org codes. Also, some smaller park units are administered under a different park that serves as the "home org". For example Eisenhower NHS is administered under Gettysburg NMP.

accrue to nearby states. For example, the local region for Saint-Gaudens NHS included counties in both Vermont and New Hampshire (Stynes, 2006a), but all impacts in this report are assigned to New Hampshire, since the visitor surveys do not identify exactly where spending may have occurred within the local region.

#### **Errors and Limitations**

The accuracy of the spending and impact estimates rests largely on the input data, namely (1) public use recreation visit and overnight stay data, (2) party size, length of stay and park re-entry conversion factors, (3) visitor segment shares, (4) spending averages, and (5) local area multipliers.

Public use data provide reasonably accurate estimates of visitor entries for most parks. Some visitors may be missed by the counting procedures, while others may be counted multiple times when they re-enter a park more than once on a single trip. Accurate estimates of park re-entries, party sizes and lengths of stay in the area are needed to convert park entries to the number of visitor or party days in the region. Visitors staying overnight outside the park pose significant problems as they tend to be the greatest spenders and may enter the park several times during their stay. Similarly, visitors staying inside the park may enter and leave several times during their stay and be counted each time as a distinct visit. Re-entry factors adjust for these problems to the extent possible.

For multi-purpose trips, it is difficult to determine what portion of the spending should be attributed to the park visit. This is especially a problem for historic sites and parks in urban areas or parks in multiple-attraction destinations. For parks with visitor surveys, the proportion of days and spending counted was decided based on stated trip purposes and the importance of the park in generating the trip to the region.

Parkways and urban parks pose special difficulties for economic impact analyses. These units have some of the highest number of visits while posing the most difficult problems for estimating visits, spending and impacts. The majority of visits to these types of units were assumed to be local or non-local day trips and only one night of spending was counted for overnight trips. Due to the high numbers of visits at these units, small changes in assumed spending averages or segment mixes can swing the spending estimates by substantial amounts.

Clusters of parks within a single 50 mile area pose additional difficulties. For example, the many monuments and parks in the Washington D.C. area each count visitors separately. To avoid double counting of spending across many national capital parks, we must know how many times a visitor has been counted at park units during a trip to the Washington D.C. area. For parks in the national capital region, we currently assume an average of 1.7 park visits are counted for local day trips, 3.4 visits for non-local day trips and 5.1 park visits on overnight trips. Similar difficulties exist for clusters of parks in Boston, New York, and San Francisco.

Double counting of visits at Sequoia and Kings Canyon National Parks was sorted out in 2002 based on vehicle counts at each entrance (Stynes and Sun 2003). For parks that are at least 50 miles apart, the MGM2 procedure assigns spending based on the number of days/nights spent in the local area. It therefore avoids double counting of spending for visitors on extended trips visiting several parks that are at least 50 miles apart, a common pattern at many western parks.

#### **Suggestions for Further Research**

Refinements to the impact estimates should focus first on the visitation data, as the number of visits drives the changes in spending and impact estimates over time. Analysts using NPS recreation visit data frequently interpret estimates of recreation visits as if these represent distinct trips rather than simply entries to the park. This confusion has resulted in many inflated estimates of visitor spending when trip spending averages are applied to recreation visits without adjustments for re-entries. The extent of potential double counting of visitors (due to re-entries to parks and parks in close proximity to one another) is not well known for many parks. It would be useful to more fully sort out the double counting problem at each park and to report both park entries and the number of distinct person trips.

In estimating spending it is quite important to be able to divide visitors into distinct segments with different spending patterns. Day visitors and locals spend much less than visitors on overnight trips. Spending of overnight visitors varies across lodging types. For parks lacking recent visitor surveys, the visitor segment mix is not well known. The mix of visitors may also change over time due to changes in populations surrounding the park and park use patterns. While park overnight stay data provides good estimates of overnight visitors who stay in the park, all other visitors are generally treated as day visitors (to the park), even though many are staying overnight in gateway communities.

Visitors staying overnight outside the park usually have the greatest economic impacts on the local economy. It is therefore important to distinguish between local residents, day trips from beyond 50 miles, and overnight stays in area motels, campgrounds or private homes. These segment shares can be estimated in visitor surveys. We also recommend that parks, in cooperation with regional tourist organizations, track lodging capacities and occupancy rates in gateway communities in order to better understand the mix of visitor accommodations inside and outside the park.

Deciding what proportion of trips and spending to attribute to a park visit is a difficult issue, particularly for smaller parks and historic sites that may not be the primary reason for many trips, but instead something for tourists to do while in an area. Attributing spending to the park visit requires more complete information about visitors including their trip purposes and other activities in the area (Tyrrell and Johnston 2001).

This information has been gathered in recent VSP studies, but it is not available for most parks. For visitors on multi-purpose trips, the share of trip expenses to be attributed to the park visit is inherently somewhat arbitrary. Theoretically, we would like to know which trips would not have been made in the absence of the park and/or what additional spending resulted from the park visit. These are sometimes difficult questions for visitors to answer.

The VSP program of conducting visitor surveys at a dozen or more parks each year should be continued. In addition to providing basic information about visitor characteristics, attitudes and park use patterns, VSP data supports the analysis of economic impacts of park visitors on local regions. Visitor spending averages used in the MGM2 model are refined each year as new visitor surveys are completed. The great diversity in NPS units, visitors, and spending opportunities poses difficulties in generalizing from one park to another. While price indices can be used to update spending averages over time, they may not fully account for possible structural changes in trip characteristics and spending patterns.

VSP studies could be supplemented with other studies of particular visitor segments with high or unique spending patterns. These segments might be tackled by sampling at several parks during a single year. Examples include national park campers and visitors in lodges, backcountry visitors, river runners, visitors on bus tours, and school groups, particularly at historic sites and nature centers. These types of visitors are often missed in VSP studies or the samples are too small to yield reliable spending averages.

The MGM2 generic multipliers were updated this year using 2001 IMPLAN data sets. The general practice is to develop custom IMPLAN models when estimating impacts in conjunction with a VSP survey, and to employ MGM2 generic multipliers for other parks. Unique multipliers for each park could be developed using the IMPLAN system. This would require the identification of counties to be included in the local region for each park.

The problems associated with sorting out impacts for parks that involve more than one state are likely best addressed on a case by case basis. Perhaps the best candidates for such studies would be parks in the Washington DC area, and the Blue Ridge and Natchez Trace Parkways. A regional analysis makes more sense than estimating impacts park by park in the DC area. For parkways and other parks involving multiple states, the specific locations of park entrances and commercial development dictate where the economic impacts will occur. Sorting out exactly where the impacts occur requires more detailed spatial analysis of visitor use and spending patterns at these parks. Such studies are best conducted for individual parks, where the additional data collection costs can be justified.

It is always useful to be able to ground spending and impact estimates in hard data and to attempt to triangulate across multiple sources. For parks with significant concession operations, park concessionaire data could be more fully utilized to validate estimates of spending inside the park. Some parks support significant commercial operations around the park, such as whitewater rafting, flightseeing, horseback operations, and guided tours. These are not fully covered in our spending estimates, except for selected parks with recent visitor surveys.

Estimates of sales, income and jobs associated with national park visitors can also be compared with overall economic figures for a given area or with tourism impact estimates. However, local tourism estimates are sometimes exaggerated and one must be careful in comparing studies that may involve distinct methods and coverage. Tourism figures may include airfares and other items not covered in the MGM2 park impact figures. Impacts may also be reported in different units (e.g., jobs vs full time equivalents) or covering larger or smaller geographic areas.

Economic impact analyses rest considerably on the definition of the impact region. Cooperative studies with local tourism and regional development interests are recommended to better understand the role of each park in the area economy, and especially the park's role in attracting and serving visitors to an area. Visitor studies should cover information sources and patterns of use both within and outside the park, and especially the extent and use of lodging facilities near the park.

#### References

- Chang, Wen-Huei. 2001. Variations in multipliers and related economic ratios for recreation and tourism impact analysis. Ph.D. Dissertation, East Lansing, MI: Michigan State University.
- Minnesota IMPLAN Group Inc. 1999. IMPLAN Pro Version 2, Social Accounting and Impact Analysis Software. Stillwater, MN.
- Stynes, D.J., Propst, D.B., Chang, W.H., and Sun, Y. 2000. Estimating regional economic impacts of park visitor spending: Money Generation Model Version 2 (MGM2). East Lansing, MI: Department of Park, Recreation and Tourism Resources, Michigan State University.
- Stynes, Daniel J. and Sun, Ya-Yen. 2003. Impacts of Visitor Spending on the Local Economy; Sequoia and Kings Canyon National Parks, 2002. East Lansing, MI: Department of Park, Recreation and Tourism Resources, Michigan State University.
- Stynes, Daniel J. and Sun, Ya-Yen. 2003. Economic Impacts of National Park Visitor Spending on the Local Economy; Systemwide estimates for 2001. Final Report to National Park Service. East Lansing MI: Department of Park, Recreation, and Tourism Resources, Michigan State University.

- Stynes, Daniel J. and Sun, Ya-Yen. 2005. Economic Impacts of Grand Canyon National Park Visitor Spending on the Local Economy, 2003. East Lansing, MI: Department of Park, Recreation and Tourism Resources, Michigan State University.
- Stynes, Daniel J. 2005. National Park Visitor Spending and Local Economic Impacts, 2003. Report to National Park Service. East Lansing MI: Department of Community, Agriculture, Recreation, and Resource Studies. Michigan State University.
- Stynes, Daniel J. 2006. National Park Visitor Spending and Payroll Impacts, 2005. Report to National Park Service. East Lansing MI: Department of Community, Agriculture, Recreation, and Resource Studies. Michigan State University.
- Stynes, Daniel J. 2006a. Impacts of Visitor Spending on the Local Economy: Saint-Gaudens National Historic Site, 2004. East Lansing MI: Department of Community, Agriculture, Recreation, and Resource Studies. Michigan State University.
- Tyrrell, Timothy J. and Johnston, Robert J. 2001. A Framework for Assessing Direct Economic Impacts of Tourist Events: Distinguishing Origins, Destinations, and Causes of Expenditures. <u>Journal of Travel Research</u> (40): 94-100.

# Appendix

# Visitor Spending and Payroll Impacts by Park, 2006

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| Table A-1. Spending and Local Economic Impacts by Park, CY 2006 |                              |                      |                               |                                     |        |                                  |                              |  |
|---|------------------------------|----------------------|-------------------------------|-------------------------------------|--------|----------------------------------|------------------------------|--|
|   | Public U                     | se Data              | Visitor Spe                   | nding 2006                          | Impact | ts of Non-Loca<br>Spending       | al Visitor                   |  |
| Park Unit   | 2006<br>Recreation<br>Visits | 2006<br>OVN<br>stays | All<br>Visitors<br>(\$ 000's) | Non-Local<br>Visitors<br>(\$ 000's) | Jobs   | Personal<br>Income<br>(\$ 000's) | Value<br>Added<br>(\$ 000's) |  |
| Abraham Lincoln Birthplace NHS                                  | 200,054                      | 0                    | \$ 6,954                      | \$ 6,476                            | 129    | \$ 2,248                         | \$ 3,476                     |  |
| Acadia NP   | 2,083,588                    | 127,157              | 132,340                       | 129,476                             | 2,604  | 51,707                           | 80,029                       |  |
| Adams NHS   | 225,318                      | 0                    | 14,546                        | 13,545                              | 254    | 6,297                            | 9,793                        |  |
| Agate Fossil Beds NM  | 13,521                       | 0                    | 470                           | 438                                 | 9      | 152                              | 235                          |  |
| Alibates Flint Quarries NM                                      | 1,882                        | 0                    | 93                            | 87                                  | 2      | 35                               | 54                           |  |
| Allegheny Portage Railroad NHS                                  | 121,009                      | 0                    | 6,009                         | 5,596                               | 113    | 2,235                            | 3,459                        |  |
| Amistad NRA   | 1,599,271                    | 35,312               | 45,405                        | 39,465                              | 787    | 13,702                           | 21,186                       |  |
| Andersonville NHS   | 132,153                      | 0                    | 4,594                         | 4,278                               | 85     | 1,485                            | 2,296                        |  |
| Andrew Johnson NHS  | 50,701                       | 0                    | 2,518                         | 2,345                               | 47     | 936                              | 1,449                        |  |
| Antietam NB   | 282,676                      | 3,730                | 13,510                        | 12,127                              | 244    | 4,843                            | 7,496                        |  |
| *Apostle Islands NL   | 189,051                      | 25,675               | 20,454                        | 16,185                              | 351    | 6,928                            | 9,807                        |  |
| Appomattox Court House NHP                                      | 145,804                      | 0                    | 7,241                         | 6,742                               | 136    | 2,693                            | 4,168                        |  |
| *Arches NP  | 833,049                      | 51,855               | 80,439                        | 80,439                              | 1,949  | 30,318                           | 47,839                       |  |
| Arkansas Post NMem  | 36,665                       | 0                    | 1,275                         | 1,187                               | 24     | 412                              | 637                          |  |
| Arlington House, Robert E. Lee Mem                              | 509,522                      | 0                    | 32,894                        | 30,631                              | 575    | 14,240                           | 22,146                       |  |
| Assateague Island NS  | 1,932,817                    | 95,576               | 137,071                       | 130,325                             | 2,621  | 52,046                           | 80,554                       |  |
| Aztec Ruins NM  | 40,779                       | 0                    | 1,299                         | 1,252                               | 25     | 500                              | 774                          |  |
| *Badlands NP  | 840,118                      | 34,903               | 18,149                        | 18,149                              | 390    | 6,130                            | 9,842                        |  |
| Bandelier NM  | 243,765                      | 12,054               | 10,990                        | 10,545                              | 212    | 4,211                            | 6,518                        |  |
| Bent's Old Fort NHS   | 26,483                       | 0                    | 921                           | 857                                 | 17     | 298                              | 460                          |  |
| Bering Land Bridge Npres  | 1,265                        | 432                  | 61                            | 58                                  | 1      | 20                               | 31                           |  |
| Big Bend NP   | 298,717                      | 164,029              | 12,465                        | 11,882                              | 237    | 4,125                            | 6,379                        |  |
| Big Cypress Npres   | 825,857                      | 27,942               | 76,126                        | 72,343                              | 1,359  | 33,632                           | 52,304                       |  |
| Big Hole NB   | 55,049                       | 0                    | 1,914                         | 1,782                               | 36     | 619                              | 957                          |  |
| Big South Fork NRRA   | 622,807                      | 68,974               | 21,904                        | 18,790                              | 375    | 6,524                            | 10,087                       |  |
| Big Thicket NPres   | 91,126                       | 1,125                | 6,466                         | 6,142                               | 124    | 2,453                            | 3,796                        |  |
| Bighorn Canyon NRA  | 177,414                      | 13,121               | 5,117                         | 4,475                               | 89     | 1,554                            | 2,402                        |  |
| *Biscayne NP  | 608,836                      | 8,000                | 37,237                        | 36,830                              | 651    | 15,562                           | 24,659                       |  |
| Black Canyon of the Gunnison NP                                 | 160,450                      | 12,863               | 7,954                         | 7,568                               | 151    | 2,627                            | 4,063                        |  |
| Blue Ridge Parkway  | 18,953,478                   | 142,472              | 348,151                       | 314,610                             | 6,328  | 125,641                          | 194,461                      |  |
| Bluestone NSR   | 46,093                       | 0                    | 1,857                         | 1,610                               | 32     | 643                              | 995                          |  |
| Booker T. Washington NM   | 18,339                       | 0                    | 911                           | 848                                 | 17     | 339                              | 524                          |  |
| Boston African American NHS                                     | 255,060                      | 0                    | 16,466                        | 15,333                              | 288    | 7,128                            | 11,086                       |  |
| Boston NHP  | 1,944,386                    | 0                    | 64,440                        | 62,010                              | 1,165  | 28,828                           | 44,833                       |  |
| Brown V. Board of Education NHS                                 | 20,926                       | 0                    | 1,039                         | 968                                 | 18     | 450                              | 700                          |  |
| Bryce Canyon NP   | 890,676                      | 128,125              | 45,645                        | 43,572                              | 869    | 15,128                           | 23,391                       |  |
| Buck Island Reef NM   | 47,456                       | 3,920                | 3,362                         | 3,199                               | 64     | 1,111                            | 1,718                        |  |
| Buffalo National River  | 1,068,090                    | 100,235              | 30,980                        | 27,134                              | 541    | 9,421                            | 14,567                       |  |

| Table A-1. Spending and Local Economic Impacts by Park, CY 2006 |                              |                      |                               |                                     |  |                                  |                              |
|---|------------------------------|----------------------|-------------------------------|-------------------------------------|--|----------------------------------|------------------------------|
|   | Public U                     | go Doto              | Visitor Eng                   | anding 2006                         | Impacts of Non-Local Visitor<br>Spending |                                  |                              |
|   | Public U                     | se Data              | Visitor Spending 2006         |                                     |  | Spending                         |                              |
| Park Unit   | 2006<br>Recreation<br>Visits | 2006<br>OVN<br>stays | All<br>Visitors<br>(\$ 000's) | Non-Local<br>Visitors<br>(\$ 000's) | Jobs                                     | Personal<br>Income<br>(\$ 000's) | Value<br>Added<br>(\$ 000's) |
| Cabrillo NM   | 804,826                      | 0                    | 51,958                        | 48,383                              | 909                                      | 22,493                           | 34,981                       |
| Canaveral NS  | 1,005,402                    | 2,883                | 71,391                        | 67,801                              | 1,364                                    | 27,077                           | 41,908                       |
| Cane River Creole NHP   | 34,453                       | 0                    | 1,711                         | 1,593                               | 32                                       | 553                              | 855                          |
| Canyon de Chelly NM   | 826,635                      | 56,135               | 39,691                        | 36,960                              | 743                                      | 14,760                           | 22,845                       |
| Canyonlands NP  | 392,537                      | 87,422               | 19,252                        | 18,353                              | 366                                      | 6,372                            | 9,852                        |
| Cape Cod NS   | 4,487,716                    | 17,720               | 153,381                       | 114,037                             | 2,274                                    | 39,592                           | 61,219                       |
| Cape Hatteras NS  | 2,125,005                    | 83,773               | 68,683                        | 64,642                              | 1,289                                    | 22,443                           | 34,702                       |
| Cape Krusenstern NM   | 2,598                        | 505                  | 84                            | 79                                  | 2  | 27                               | 42                           |
| Cape Lookout NS   | 803,155                      | 35,518               | 40,744                        | 38,775                              | 773                                      | 13,462                           | 20,816                       |
| Capitol Reef NP   | 511,511                      | 32,572               | 25,381                        | 24,140                              | 481                                      | 8,381                            | 12,959                       |
| *Capulin Volcano NM   | 49,823                       | 0                    | 1,293                         | 1,272                               | 27                                       | 418                              | 673                          |
| Carl Sandburg Home NHS  | 28,799                       | 0                    | 1,430                         | 1,332                               | 27                                       | 532                              | 823                          |
| Carlsbad Caverns NP   | 407,367                      | 95                   | 19,639                        | 18,989                              | 382                                      | 7,583                            | 11,737                       |
| Casa Grande Ruins NM  | 88,295                       | 0                    | 2,695                         | 2,540                               | 51                                       | 882                              | 1,363                        |
| Castillo de San Marcos NM                                       | 630,903                      | 0                    | 40,730                        | 37,928                              | 712                                      | 17,632                           | 27,422                       |
| Castle Clinton NM   | 3,415,397                    | 0                    | 87,515                        | 78,473                              | 1,474                                    | 36,482                           | 56,736                       |
| Catoctin Mountain Park  | 526,898                      | 37,619               | 25,270                        | 23,531                              | 473                                      | 9,397                            | 14,545                       |
| Cedar Breaks NM   | 488,376                      | 2,038                | 16,943                        | 15,777                              | 315                                      | 5,478                            | 8,470                        |
| Central High School   | 35,264                       | 0                    | 1,751                         | 1,631                               | 33                                       | 651                              | 1,008                        |
| Chaco Culture NHP   | 37,923                       | 15,480               | 1,247                         | 1,221                               | 25                                       | 487                              | 755                          |
| Chamizal NMem   | 221,048                      | 0                    | 14,270                        | 13,289                              | 250                                      | 6,178                            | 9,608                        |
| Channel Islands NP  | 375,256                      | 164,404              | 34,130                        | 32,741                              | 615                                      | 15,221                           | 23,672                       |
| Charles Pinckney NHS  | 36,556                       | 0                    | 1,815                         | 1,690                               | 34                                       | 675                              | 1,045                        |
| Chattahoochee River NRA   | 2,842,670                    | 0                    | 78,252                        | 52,575                              | 988                                      | 24,442                           | 38,012                       |
| *Chesapeake & Ohio Canal NHP                                    | 3,039,178                    | 4,276                | 36,410                        | 23,489                              | 513                                      | 11,504                           | 17,867                       |
| Chickamauga & Chattanooga NMP                                   | 919,892                      | 1,806                | 45,638                        | 42,499                              | 855                                      | 16,972                           | 26,269                       |
| Chickasaw NRA   | 1,343,793                    | 72,754               | 38,548                        | 33,636                              | 671                                      | 11,678                           | 18,057                       |
| Chiricahua NM   | 61,579                       | 9,792                | 2,825                         | 2,630                               | 53                                       | 1,050                            | 1,626                        |
| Christiansted NHS   | 100,868                      | 0                    | 3,506                         | 3,265                               | 65                                       | 1,134                            | 1,753                        |
| City of Rocks NRES  | 77,131                       | 0                    | 5,478                         | 5,202                               | 105                                      | 2,078                            | 3,216                        |
| Clara Barton NHS  | 12,495                       | 0                    | 807                           | 751                                 | 14                                       | 349                              | 543                          |
| *Colonial NHP   | 3,344,018                    | 0                    | 47,325                        | 6,107                               | 142                                      | 2,948                            | 4,612                        |
| Colorado NM   | 332,654                      | 12,954               | 16,212                        | 15,096                              | 304                                      | 6,029                            | 9,331                        |
| Congaree Swamp NM   | 134,045                      | 2,225                | 6,609                         | 6,154                               | 124                                      | 2,458                            | 3,804                        |
| Coronado Nmem   | 70,063                       | 0                    | 2,436                         | 2,268                               | 45                                       | 787                              | 1,218                        |
| Cowpens NB  | 143,664                      | 204                  | 7,129                         | 6,639                               | 134                                      | 2,651                            | 4,104                        |
| *Crater Lake NP   | 388,972                      | 61,893               | 27,988                        | 27,187                              | 641                                      | 9,850                            | 15,842                       |
| *Craters of the Moon NM   | 176,998                      | 11,860               | 4,847                         | 4,303                               | 68                                       | 1,683                            | 2,404                        |
| Cumberland Gap NHP  | 936,929                      | 15,790               | 46,165                        | 42,990                              | 865                                      | 17,168                           | 26,572                       |

| Table A-1. Spending and Local Economic Impacts by Park, CY 2006 |                              |                      |                               |                                     |  |                                  |                              |  |
|---|------------------------------|----------------------|-------------------------------|-------------------------------------|--|----------------------------------|------------------------------|--|
|   | Public U                     | go Doto              | Visitor Eng                   | nding 2006                          | Impacts of Non-Local Visitor<br>Spending |                                  |                              |  |
|   | Public U                     | se Data              | Visitor Spending 2006         |                                     |  | Spending                         |                              |  |
| Park Unit   | 2006<br>Recreation<br>Visits | 2006<br>OVN<br>stays | All<br>Visitors<br>(\$ 000's) | Non-Local<br>Visitors<br>(\$ 000's) | Jobs                                     | Personal<br>Income<br>(\$ 000's) | Value<br>Added<br>(\$ 000's) |  |
| Cumberland Island NS  | 44,025                       | 13,005               | 3,086                         | 2,949                               | 59                                       | 1,178                            | 1,823                        |  |
| Curecanti NRA   | 936,380                      | 50,952               | 38,375                        | 33,486                              | 673                                      | 13,373                           | 20,698                       |  |
| Cuyahoga Valley NP  | 2,468,816                    | 4,472                | 50,110                        | 36,134                              | 679                                      | 16,799                           | 26,125                       |  |
| *Dayton Aviation Heritage NHP                                   | 51,771                       | 0                    | 2,525                         | 1,399                               | 33                                       | 702                              | 1,039                        |  |
| De Soto Nmem  | 245,503                      | 0                    | 15,849                        | 14,759                              | 277                                      | 6,861                            | 10,671                       |  |
| Death Valley NP   | 744,440                      | 212,627              | 38,081                        | 36,476                              | 727                                      | 12,664                           | 19,582                       |  |
| Delaware Water Gap NRA  | 5,254,216                    | 110,246              | 131,738                       | 115,323                             | 2,319                                    | 46,055                           | 71,282                       |  |
| Denali NP & Pres  | 415,935                      | 99,757               | 29,241                        | 27,910                              | 561                                      | 11,146                           | 17,251                       |  |
| Devils Postpile NM  | 105,303                      | 4,027                | 3,593                         | 3,346                               | 67                                       | 1,162                            | 1,796                        |  |
| Devils Tower NM   | 335,764                      | 8,918                | 11,523                        | 10,730                              | 214                                      | 3,725                            | 5,760                        |  |
| Dinosaur NM   | 278,473                      | 47,097               | 9,037                         | 8,416                               | 168                                      | 2,922                            | 4,518                        |  |
| Dry Tortugas NP   | 64,122                       | 14,840               | 5,881                         | 5,616                               | 105                                      | 2,611                            | 4,060                        |  |
| Edgar Allan Poe NHS   | 12,409                       | 0                    | 801                           | 746                                 | 14                                       | 347                              | 539                          |  |
| Edison NHS  | 8,753                        | 0                    | 565                           | 526                                 | 10                                       | 245                              | 380                          |  |
| *Effigy Mounds NM   | 90,199                       | 0                    | 4,902                         | 1,875                               | 38                                       | 702                              | 1,044                        |  |
| *Eisenhower NHS   | 70,243                       | 0                    | 4,181                         | 4,151                               | 106                                      | 1,604                            | 2,572                        |  |
| El Malpais NM   | 107,792                      | 520                  | 4,052                         | 3,880                               | 77                                       | 1,347                            | 2,083                        |  |
| El Morro NM   | 52,297                       | 2,753                | 1,880                         | 1,796                               | 36                                       | 624                              | 964                          |  |
| Eleanor Roosevelt NHS   | 14,493                       | 0                    | 504                           | 469                                 | 9  | 163                              | 252                          |  |
| Eugene O'Neill NHS  | 3,372                        | 0                    | 218                           | 203                                 | 4  | 94                               | 147                          |  |
| Everglades NP   | 954,022                      | 36,241               | 50,351                        | 48,577                              | 912                                      | 22,583                           | 35,121                       |  |
| Federal Hall NMem   | 12,800                       | 0                    | 826                           | 769                                 | 14                                       | 358                              | 556                          |  |
| Fire Island NS  | 636,030                      | 39,677               | 33,621                        | 27,919                              | 562                                      | 11,149                           | 17,257                       |  |
| First Ladies NHS  | 11,219                       | 0                    | 724                           | 674                                 | 14                                       | 269                              | 417                          |  |
| Florissant Fossil Beds NM                                       | 56,094                       | 0                    | 2,786                         | 2,594                               | 52                                       | 1,036                            | 1,603                        |  |
| Ford's Theatre NHS  | 857,600                      | 0                    | 24,783                        | 22,543                              | 423                                      | 10,480                           | 16,299                       |  |
| Fort Bowie NHS  | 10,679                       | 0                    | 530                           | 494                                 | 10                                       | 197                              | 305                          |  |
| Fort Caroline NMem  | 224,114                      | 0                    | 14,468                        | 13,473                              | 253                                      | 6,264                            | 9,741                        |  |
| Fort Davis NHS  | 49,091                       | 0                    | 1,706                         | 1,589                               | 32                                       | 552                              | 853                          |  |
| Fort Donelson NB  | 213,521                      | 1,502                | 7,397                         | 6,888                               | 137                                      | 2,392                            | 3,698                        |  |
| Fort Frederica NM   | 316,611                      | 0                    | 15,723                        | 14,641                              | 294                                      | 5,847                            | 9,050                        |  |
| Fort Laramie NHS  | 40,651                       | 0                    | 1,413                         | 1,316                               | 26                                       | 457                              | 706                          |  |
| Fort Larned NHS   | 31,512                       | 0                    | 1,095                         | 1,020                               | 20                                       | 354                              | 548                          |  |
| Fort Matanzas NM  | 922,315                      | 0                    | 59,542                        | 55,446                              | 1,041                                    | 25,777                           | 40,087                       |  |
| Fort McHenry NM & HS  | 622,419                      | 0                    | 40,182                        | 37,418                              | 703                                      | 17,395                           | 27,053                       |  |
| Fort Necessity NB   | 221,598                      | 149                  | 7,350                         | 6,339                               | 126                                      | 2,201                            | 3,403                        |  |
| Fort Point NHS  | 1,613,853                    | 0                    | 104,186                       | 97,019                              | 1,822                                    | 45,104                           | 70,144                       |  |
| Fort Pulaski NM   | 333,378                      | 19                   | 16,555                        | 15,416                              | 310                                      | 6,157                            | 9,529                        |  |
| Fort Raleigh NHS  | 299,432                      | 0                    | 10,409                        | 9,693                               | 193                                      | 3,365                            | 5,203                        |  |

| Table A-1. Spending and Local Economic Impacts by Park, CY 2006 |                              |                      |                               |                                     |        |                                  |                              |  |
|---|------------------------------|----------------------|-------------------------------|-------------------------------------|--------|----------------------------------|------------------------------|--|
|   | Public U                     | se Data              | Visitor Spe                   | ending 2006                         | Impact | ts of Non-Loca<br>Spending       | al Visitor                   |  |
| Park Unit   | 2006<br>Recreation<br>Visits | 2006<br>OVN<br>stays | All<br>Visitors<br>(\$ 000's) | Non-Local<br>Visitors<br>(\$ 000's) | Jobs   | Personal<br>Income<br>(\$ 000's) | Value<br>Added<br>(\$ 000's) |  |
| Fort Scott NHS  | 24,269                       | 0                    | 844                           | 786                                 | 16     | 273                              | 422                          |  |
| Fort Smith NHS  | 77,014                       | 0                    | 3,824                         | 3,561                               | 72     | 1,422                            | 2,201                        |  |
| *Fort Stanwix NM  | 60,589                       | 0                    | 2,097                         | 2,011                               | 43     | 827                              | 1,323                        |  |
| Fort Sumter NM  | 776,162                      | 1                    | 18,917                        | 16,505                              | 310    | 7,673                            | 11,933                       |  |
| Fort Union NM   | 10,347                       | 0                    | 241                           | 231                                 | 5      | 80                               | 124                          |  |
| Fort Union Trading Post NHS                                     | 13,392                       | 0                    | 466                           | 434                                 | 9      | 151                              | 233                          |  |
| Fort Vancouver NHS  | 690,307                      | 0                    | 34,280                        | 31,922                              | 642    | 12,748                           | 19,731                       |  |
| Fort Washington Park  | 315,390                      | 0                    | 9,114                         | 8,290                               | 156    | 3,854                            | 5,994                        |  |
| Fossil Butte NM   | 16,631                       | 0                    | 578                           | 538                                 | 11     | 187                              | 289                          |  |
| Franklin Delano Roosevelt Memorial                              | 2,662,016                    | 0                    | 76,929                        | 69,974                              | 1,314  | 32,531                           | 50,591                       |  |
| Frederick Douglass NHS  | 17,947                       | 0                    | 519                           | 472                                 | 9      | 219                              | 341                          |  |
| Frederick Law Olmsted NHS                                       | 1,559                        | 0                    | 101                           | 94                                  | 2      | 44                               | 68                           |  |
| Fredericksburg & Spotsylvania NMP                               | 499,324                      | 0                    | 24,796                        | 23,090                              | 464    | 9,221                            | 14,272                       |  |
| Friendship Hill NHS   | 25,636                       | 0                    | 1,655                         | 1,541                               | 29     | 716                              | 1,114                        |  |
| Gates of the Arctic NP & Pres                                   | 9,982                        | 6,040                | 474                           | 454                                 | 9      | 157                              | 244                          |  |
| Gateway NRA   | 8,456,456                    | 8,582                | 143,335                       | 58,149                              | 1,092  | 27,033                           | 42,042                       |  |
| Gauley River NRA  | 116,854                      | 5,342                | 4,776                         | 4,163                               | 84     | 1,663                            | 2,573                        |  |
| General Grant NMem  | 105,657                      | 0                    | 6,821                         | 6,352                               | 119    | 2,953                            | 4,592                        |  |
| George Rogers Clark NHP   | 128,579                      | 0                    | 6,385                         | 5,946                               | 120    | 2,375                            | 3,675                        |  |
| *George Washington Birthplace NM                                | 135,870                      | 0                    | 2,878                         | 1,509                               | 28     | 538                              | 780                          |  |
| George Washington Carver NM                                     | 37,167                       | 0                    | 1,846                         | 1,719                               | 35     | 686                              | 1,062                        |  |
| George Washington Memorial Pkwy                                 | 6,872,213                    | 0                    | 27,341                        | 3,976                               | 75     | 1,848                            | 2,874                        |  |
| *Gettysburg NMP   | 1,666,365                    | 21,005               | 98,250                        | 97,548                              | 2,489  | 37,696                           | 60,430                       |  |
| Gila Cliff Dwellings NM   | 40,510                       | 0                    | 1,076                         | 1,036                               | 21     | 360                              | 556                          |  |
| Glacier Bay NP & Pres   | 413,382                      | 14,237               | 20,684                        | 19,665                              | 392    | 6,828                            | 10,557                       |  |
| Glacier NP  | 1,964,399                    | 331,471              | 82,138                        | 78,402                              | 1,577  | 31,310                           | 48,461                       |  |
| Glen Canyon NRA   | 1,885,378                    | 1,148,735            | 127,042                       | 123,456                             | 2,483  | 49,303                           | 76,309                       |  |
| Golden Gate NRA   | 13,486,824                   | 56,107               | 231,681                       | 96,333                              | 1,809  | 44,785                           | 69,649                       |  |
| Golden Spike NHS  | 45,381                       | 0                    | 2,254                         | 2,099                               | 42     | 838                              | 1,297                        |  |
| Governors Island NM   | 43,135                       | 0                    | 3,983                         | 3,782                               | 71     | 1,758                            | 2,735                        |  |
| *Grand Canyon NP  | 4,279,439                    | 1,206,725            | 382,888                       | 382,888                             | 9,747  | 152,426                          | 238,707                      |  |
| Grand Portage NM  | 53,443                       | 154                  | 5,889                         | 5,864                               | 117    | 2,036                            | 3,148                        |  |
| *Grand Teton NP   | 2,406,476                    | 553,327              | 234,765                       | 229,020                             | 3,346  | 93,377                           | 144,447                      |  |
| Grant-Kohrs Ranch NHS   | 19,795                       | 0                    | 688                           | 641                                 | 13     | 222                              | 344                          |  |
| Great Basin NP  | 78,524                       | 27,624               | 3,863                         | 3,700                               | 74     | 1,285                            | 1,986                        |  |
| Great Sand Dunes NM   | 258,660                      | 40,969               | 8,316                         | 7,744                               | 154    | 2,689                            | 4,157                        |  |
| Great Smoky Mountains NP  | 9,289,215                    | 362,007              | 685,293                       | 672,377                             | 12,630 | 312,586                          | 486,126                      |  |
| Greenbelt Park  | 195,038                      | 19,440               | 11,989                        | 11,164                              | 210    | 5,190                            | 8,072                        |  |
| Guadalupe Mountains NP  | 174,157                      | 17,683               | 12,324                        | 11,731                              | 236    | 4,685                            | 7,251                        |  |

| Table A-1. Spending and Loc       | al Economic                  | Impacts b            | y Park, CY                    | 2006                                |        |                                  |                              |
|-----------------------------------|------------------------------|----------------------|-------------------------------|-------------------------------------|--------|----------------------------------|------------------------------|
|                                   | Public U                     | go Doto              | Visitor Eng                   | anding 2006                         | Impact | ts of Non-Loca                   | al Visitor                   |
|                                   | Public U                     | se Data              | visitor spe                   | ending 2006                         |        | Spending                         |                              |
| Park Unit                         | 2006<br>Recreation<br>Visits | 2006<br>OVN<br>stays | All<br>Visitors<br>(\$ 000's) | Non-Local<br>Visitors<br>(\$ 000's) | Jobs   | Personal<br>Income<br>(\$ 000's) | Value<br>Added<br>(\$ 000's) |
| Guilford Courthouse NMP           | 486,162                      | 0                    | 24,143                        | 22,482                              | 452    | 8,978                            | 13,896                       |
| Gulf Islands NS                   | 1,986,816                    | 4,935                | 43,185                        | 26,993                              | 543    | 10,780                           | 16,684                       |
| Hagerman Fossil Beds NM           | 25,875                       | 0                    | 727                           | 648                                 | 13     | 225                              | 348                          |
| Haleakala NP                      | 1,426,068                    | 17,286               | 101,244                       | 96,176                              | 1,934  | 38,408                           | 59,447                       |
| Hamilton Grange NMem              | 6,369                        | 0                    | 411                           | 383                                 | 7      | 178                              | 277                          |
| Hampton NHS                       | 29,297                       | 0                    | 1,891                         | 1,761                               | 33     | 819                              | 1,273                        |
| Harpers Ferry NHP                 | 267,501                      | 0                    | 13,284                        | 12,370                              | 249    | 4,940                            | 7,646                        |
| Harry S Truman NHS                | 34,479                       | 0                    | 2,226                         | 2,073                               | 39     | 964                              | 1,499                        |
| Hawaii Volcanoes NP               | 1,612,246                    | 147,959              | 115,829                       | 110,320                             | 2,219  | 44,057                           | 68,189                       |
| Herbert Hoover NHS                | 134,980                      | 0                    | 6,703                         | 6,242                               | 126    | 2,493                            | 3,858                        |
| Home of Franklin D. Roosevelt N   | 117,166                      | 0                    | 7,564                         | 7,044                               | 140    | 2,445                            | 3,781                        |
| Homestead National Monument       | 53,667                       | 0                    | 1,866                         | 1,737                               | 35     | 603                              | 933                          |
| Hopewell Culture NHP              | 30,336                       | 0                    | 1,055                         | 982                                 | 20     | 341                              | 527                          |
| Hopewell Furnace NHS              | 49,239                       | 0                    | 2,445                         | 2,277                               | 46     | 909                              | 1,407                        |
| Horseshoe Bend NMP                | 70,067                       | 0                    | 3,480                         | 3,240                               | 65     | 1,294                            | 2,003                        |
| Hot Springs NP                    | 1,273,456                    | 6,150                | 90,432                        | 85,891                              | 1,728  | 34,301                           | 53,090                       |
| Hovenweep NM                      | 26,348                       | 1,336                | 1,277                         | 1,189                               | 24     | 475                              | 735                          |
| Hubbell Trading Post NHS          | 72,516                       | 0                    | 3,601                         | 3,353                               | 67     | 1,339                            | 2,073                        |
| Independence NHP                  | 3,532,245                    | 0                    | 128,024                       | 114,619                             | 2,153  | 53,286                           | 82,869                       |
| Indiana Dunes NL                  | 1,938,132                    | 28,165               | 55,338                        | 35,435                              | 706    | 12,303                           | 19,023                       |
| Isle Royale NP                    | 17,070                       | 51,816               | 1,851                         | 1,851                               | 37     | 643                              | 994                          |
| James A. Garfield NHS             | 19,916                       | 0                    | 1,286                         | 1,197                               | 22     | 557                              | 866                          |
| Jean Lafitte NHP & PRES           | 264,680                      | 0                    | 13,144                        | 12,240                              | 246    | 4,888                            | 7,565                        |
| Jefferson National Expansin. Mem. | 2,572,072                    | 0                    | 101,189                       | 90,475                              | 1,699  | 42,062                           | 65,413                       |
| Jewel Cave NM                     | 97,395                       | 0                    | 4,837                         | 4,504                               | 91     | 1,799                            | 2,784                        |
| Jimmy Carter NHS                  | 86,016                       | 0                    | 2,990                         | 2,784                               | 56     | 967                              | 1,495                        |
| John D Rockefeller Jr. Mem Pkwy   | 1,034,954                    | 35,594               | 4,258                         | 3,841                               | 77     | 1,534                            | 2,374                        |
| *John Day Fossil Beds NM          | 119,656                      | 300                  | 5,074                         | 3,300                               | 61     | 1,202                            | 1,783                        |
| John Fitzgerald Kennedy NHS       | 6,490                        | 0                    | 419                           | 390                                 | 7      | 181                              | 282                          |
| John Muir NHS                     | 29,499                       | 0                    | 1,904                         | 1,773                               | 33     | 824                              | 1,282                        |
| Johnstown Flood Nmem              | 112,239                      | 0                    | 5,574                         | 5,190                               | 104    | 2,073                            | 3,208                        |
| *Joshua Tree NP                   | 1,256,421                    | 250,975              | 30,255                        | 25,662                              | 475    | 11,481                           | 16,660                       |
| Kalaupapa NHP                     | 46,839                       | 0                    | 2,326                         | 2,166                               | 44     | 865                              | 1,339                        |
| Kaloko-Honokohau NHP              | 112,344                      | 0                    | 5,579                         | 5,195                               | 104    | 2,075                            | 3,211                        |
| Katmai NP & Pres/Aniakchak        | 68,690                       | 28,839               | 3,461                         | 3,316                               | 66     | 1,151                            | 1,780                        |
| Kenai Fjords NP                   | 251,630                      | 2,873                | 17,860                        | 16,965                              | 341    | 6,775                            | 10,486                       |
| Kennesaw Mountain NBP             | 1,316,129                    | 0                    | 38,063                        | 33,069                              | 621    | 15,373                           | 23,908                       |
| Kings Mountain NMP                | 259,287                      | 113                  | 12,874                        | 11,989                              | 241    | 4,788                            | 7,410                        |
| Klondike Gold Rush NHP Alaska     | 903,079                      | 5,839                | 31,314                        | 29,159                              | 581    | 10,124                           | 15,654                       |

| Table A-1. Spending and Loc       | al Economic                  | Impacts b            | y Park, CY                    | 2006                                |        |                                  |                              |
|-----------------------------------|------------------------------|----------------------|-------------------------------|-------------------------------------|--------|----------------------------------|------------------------------|
|                                   | Public U                     | go Doto              | Visitor Spa                   | ending 2006                         | Impact | ts of Non-Loca<br>Spending       | l Visitor                    |
|                                   | r ubiic U                    | se Data              | Visitor Spe                   | numg 2000                           |        | Spending                         |                              |
| Park Unit                         | 2006<br>Recreation<br>Visits | 2006<br>OVN<br>stays | All<br>Visitors<br>(\$ 000's) | Non-Local<br>Visitors<br>(\$ 000's) | Jobs   | Personal<br>Income<br>(\$ 000's) | Value<br>Added<br>(\$ 000's) |
| Klondike Gold Rush NHP Seattle    | 53,107                       | 0                    | 3,428                         | 3,193                               | 60     | 1,484                            | 2,308                        |
| Knife River Indian Villages NHS   | 24,235                       | 0                    | 842                           | 784                                 | 16     | 272                              | 421                          |
| Kobuk Valley NP                   | 3,005                        | 509                  | 147                           | 140                                 | 3      | 49                               | 75                           |
| Korean War Veterans Memorial      | 3,248,757                    | 0                    | 93,885                        | 85,397                              | 1,604  | 39,701                           | 61,742                       |
| Lake Chelan NRA                   | 35,151                       | 11,668               | 1,260                         | 1,147                               | 23     | 398                              | 616                          |
| Lake Clark NP & Pres              | 5,320                        | 1,665                | 369                           | 352                                 | 7      | 141                              | 217                          |
| Lake Mead NRA                     | 7,777,753                    | 807,378              | 275,747                       | 227,149                             | 4,529  | 78,863                           | 121,942                      |
| Lake Meredith NRA                 | 1,037,610                    | 48,426               | 42,403                        | 36,962                              | 743    | 14,761                           | 22,847                       |
| Lake Roosevelt NRA                | 1,281,586                    | 112,016              | 37,218                        | 32,610                              | 650    | 11,322                           | 17,506                       |
| Lassen Volcanic NP                | 388,741                      | 71,306               | 14,795                        | 13,021                              | 245    | 6,053                            | 9,414                        |
| Lava Beds NM                      | 104,490                      | 11,997               | 4,903                         | 4,566                               | 92     | 1,823                            | 2,822                        |
| LBJ Memorial Grove on the Potomac | 470,683                      | 0                    | 30,386                        | 28,296                              | 531    | 13,155                           | 20,458                       |
| Lewis & Clark National Historic   | 218,816                      | 0                    | 10,866                        | 10,119                              | 204    | 4,041                            | 6,254                        |
| Lincoln Boyhood NMem              | 123,781                      | 0                    | 6,147                         | 5,724                               | 115    | 2,286                            | 3,538                        |
| Lincoln Home NHS                  | 388,887                      | 0                    | 19,312                        | 17,983                              | 362    | 7,182                            | 11,116                       |
| Lincoln Memorial                  | 3,810,347                    | 0                    | 110,114                       | 100,159                             | 1,881  | 46,564                           | 72,415                       |
| Little Bighorn Battlefield NM     | 298,518                      | 0                    | 10,377                        | 9,663                               | 193    | 3,355                            | 5,188                        |
| Little River Canyon NPRES         | 211,047                      | 0                    | 10,492                        | 9,964                               | 199    | 3,460                            | 5,349                        |
| Longfellow NHS                    | 43,108                       | 0                    | 2,141                         | 1,993                               | 40     | 796                              | 1,232                        |
| Lowell NHP                        | 632,234                      | 0                    | 40,815                        | 38,008                              | 714    | 17,670                           | 27,479                       |
| Lyndon B. Johnson NHP             | 78,792                       | 0                    | 5,087                         | 4,737                               | 89     | 2,202                            | 3,425                        |
| Maggie L Walker NHS               | 7,803                        | 0                    | 164                           | 86                                  | 2      | 35                               | 53                           |
| Mammoth Cave NP                   | 597,934                      | 69,661               | 35,562                        | 33,051                              | 659    | 11,475                           | 17,743                       |
| Manassas NBP                      | 674,851                      | 0                    | 11,837                        | 11,431                              | 215    | 5,314                            | 8,265                        |
| *Manzanar NHS                     | 88,200                       | 0                    | 8,180                         | 2,587                               | 48     | 1,064                            | 1,586                        |
| Marsh-Billings Rockefeller NHP    | 22,484                       | 0                    | 1,117                         | 1,040                               | 21     | 415                              | 643                          |
| Martin Luther King Jr NHS         | 791,617                      | 0                    | 51,105                        | 47,589                              | 894    | 22,124                           | 34,407                       |
| Martin Van Buren NHS              | 24,735                       | 0                    | 493                           | 463                                 | 9      | 161                              | 248                          |
| Mary McLeod Bethune NHS           | 16,858                       | 0                    | 487                           | 443                                 | 8      | 206                              | 320                          |
| Mesa Verde NP                     | 557,248                      | 89,294               | 41,562                        | 39,727                              | 799    | 15,865                           | 24,555                       |
| Minute Man NHP                    | 1,084,041                    | 0                    | 69,983                        | 65,169                              | 1,224  | 30,297                           | 47,117                       |
| Minuteman Missile NHS             | 16,754                       | 0                    | 582                           | 542                                 | 11     | 188                              | 291                          |
| Missouri National Recreational    | 167,960                      | 0                    | 8,350                         | 7,930                               | 158    | 2,753                            | 4,257                        |
| Mojave Npres                      | 537,250                      | 1,736                | 6,896                         | 6,325                               | 127    | 2,526                            | 3,910                        |
| Monocacy NB                       | 18,579                       | 0                    | 1,199                         | 1,117                               | 21     | 519                              | 808                          |
| Montezuma Castle NM               | 597,762                      | 0                    | 29,685                        | 27,643                              | 556    | 11,039                           | 17,086                       |
| Moores Creek NB                   | 44,378                       | 0                    | 1,543                         | 1,437                               | 29     | 499                              | 771                          |
| Morristown NHP                    | 277,748                      | 0                    | 13,793                        | 12,844                              | 258    | 5,129                            | 7,939                        |
| *Mount Rainier NP                 | 1,113,601                    | 134,737              | 28,823                        | 27,409                              | 580    | 11,442                           | 17,907                       |

| Table A-1. Spending and Lo        | cal Economic                 | Impacts b            | y Park, CY                    | 2006                                |        |                                  |                              |
|-----------------------------------|------------------------------|----------------------|-------------------------------|-------------------------------------|--------|----------------------------------|------------------------------|
|                                   | Public U                     | se Data              | Visitor Spe                   | ending 2006                         | Impact | ts of Non-Loca<br>Spending       | al Visitor                   |
| Park Unit                         | 2006<br>Recreation<br>Visits | 2006<br>OVN<br>stays | All<br>Visitors<br>(\$ 000's) | Non-Local<br>Visitors<br>(\$ 000's) | Jobs   | Personal<br>Income<br>(\$ 000's) | Value<br>Added<br>(\$ 000's) |
| Mount Rushmore Nmem               | 1,989,771                    | 0                    | 70,534                        | 67,723                              | 1,362  | 27,046                           | 41,860                       |
| Muir Woods NM                     | 741,768                      | 0                    | 47,887                        | 44,592                              | 838    | 20,731                           | 32,240                       |
| Natchez NHP                       | 272,091                      | 0                    | 13,512                        | 12,582                              | 253    | 5,025                            | 7,777                        |
| Natchez Trace Parkway             | 5,713,583                    | 22,947               | 83,249                        | 26,750                              | 538    | 10,683                           | 16,534                       |
| National Capital Parks Central    | 3,803,244                    | 0                    | 109,909                       | 99,973                              | 1,878  | 46,477                           | 72,280                       |
| National Capital Parks East       | 1,310,321                    | 0                    | 37,866                        | 34,443                              | 647    | 16,013                           | 24,902                       |
| National World War II Memorial    | 3,865,430                    | 0                    | 111,706                       | 101,607                             | 1,909  | 47,237                           | 73,462                       |
| Natural Bridges NM                | 91,288                       | 5,059                | 4,413                         | 4,109                               | 83     | 1,641                            | 2,540                        |
| Navajo NM                         | 71,595                       | 2,585                | 3,496                         | 3,256                               | 65     | 1,300                            | 2,012                        |
| New Bedford Whaling NHP           | 343,774                      | 0                    | 22,193                        | 20,666                              | 388    | 9,608                            | 14,942                       |
| New Orleans Jazz NHP              | 34,375                       | 0                    | 1,707                         | 1,590                               | 32     | 635                              | 983                          |
| *New River Gorge NR               | 1,124,688                    | 10,560               | 41,865                        | 39,459                              | 749    | 15,648                           | 23,040                       |
| Nez Perce NHP                     | 155,802                      | 0                    | 5,416                         | 5,043                               | 101    | 1,751                            | 2,707                        |
| Nicodemus NHS                     | 21,441                       | 0                    | 745                           | 694                                 | 14     | 241                              | 373                          |
| Ninety Six NHS                    | 33,786                       | 0                    | 1,678                         | 1,562                               | 31     | 624                              | 966                          |
| Niobrara NSR                      | 60,397                       | 0                    | 3,003                         | 2,852                               | 57     | 990                              | 1,531                        |
| Noatak Npres                      | 3,272                        | 1,061                | 159                           | 151                                 | 3      | 53                               | 81                           |
| North Cascades NP                 | 19,167                       | 16,072               | 1,275                         | 1,226                               | 25     | 490                              | 758                          |
| Obed Wild and Scenic River        | 185,176                      | 1,615                | 7,478                         | 6,489                               | 131    | 2,591                            | 4,011                        |
| Ocmulgee NM                       | 140,239                      | 0                    | 6,964                         | 6,485                               | 130    | 2,590                            | 4,008                        |
| *Olympic NP                       | 2,749,197                    | 338,466              | 93,076                        | 85,848                              | 1,839  | 36,130                           | 56,642                       |
| Oregon Caves NM                   | 78,900                       | 6,780                | 3,750                         | 3,492                               | 0      | 0                                | 0                            |
| Organ Pipe Cactus NM              | 313,103                      | 23,113               | 15,001                        | 13,969                              | 281    | 5,579                            | 8,634                        |
| Ozark National Scenic Riverways   | 1,491,380                    | 164,550              | 62,366                        | 54,780                              | 1,102  | 21,877                           | 33,860                       |
| Padre Island NS                   | 730,994                      | 59,107               | 51,750                        | 49,232                              | 990    | 19,661                           | 30,430                       |
| Palo Alto Battlefield NHS         | 32,117                       | 0                    | 1,116                         | 1,040                               | 21     | 361                              | 558                          |
| Pea Ridge NMP                     | 66,177                       | 0                    | 3,286                         | 3,060                               | 62     | 1,222                            | 1,892                        |
| Pecos NHP                         | 34,106                       | 0                    | 738                           | 718                                 | 14     | 249                              | 386                          |
| Pennsylvania Avenue NHS           | 191,677                      | 0                    | 5,539                         | 5,038                               | 95     | 2,342                            | 3,643                        |
| Perry's Victory & Int.I Peace Mem | 107,908                      | 2,800                | 3,704                         | 3,450                               | 69     | 1,198                            | 1,852                        |
| Petersburg NB                     | 152,889                      | 0                    | 7,592                         | 7,070                               | 142    | 2,823                            | 4,370                        |
| Petrified Forest NP               | 581,681                      | 142                  | 41,312                        | 39,233                              | 789    | 15,668                           | 24,250                       |
| Petroglyph NM                     | 121,825                      | 0                    | 5,279                         | 4,167                               | 78     | 1,937                            | 3,013                        |
| *Pictured Rocks NL                | 419,298                      | 26,256               | 16,660                        | 16,406                              | 368    | 5,745                            | 9,310                        |
| Pinnacles NM                      | 158,824                      | 13,976               | 3,425                         | 2,979                               | 59     | 1,034                            | 1,599                        |
| Pipe Spring NM                    | 50,923                       | 0                    | 2,529                         | 2,355                               | 47     | 940                              | 1,456                        |
| Pipestone NM                      | 66,867                       | 0                    | 4,081                         | 3,994                               | 80     | 1,387                            | 2,144                        |
| Piscataway Park                   | 199,443                      | 0                    | 5,764                         | 5,243                               | 98     | 2,437                            | 3,790                        |
| Point Reyes NS                    | 2,065,083                    | 32,879               | 93,943                        | 86,481                              | 1,624  | 40,205                           | 62,526                       |

| Table A-1. Spending and Lo            | ocal Economic                | Impacts b            | y Park, CY                    | 2006                                |        |                                  |                              |
|---------------------------------------|------------------------------|----------------------|-------------------------------|-------------------------------------|--------|----------------------------------|------------------------------|
|                                       | Public U                     | se Data              | Visitor Spe                   | ending 2006                         | Impact | ts of Non-Loca<br>Spending       | al Visitor                   |
| Park Unit                             | 2006<br>Recreation<br>Visits | 2006<br>OVN<br>stays | All<br>Visitors<br>(\$ 000's) | Non-Local<br>Visitors<br>(\$ 000's) | Jobs   | Personal<br>Income<br>(\$ 000's) | Value<br>Added<br>(\$ 000's) |
| President's Park                      | 1,061,387                    | 0                    | 30,673                        | 27,900                              | 524    | 12,971                           | 20,171                       |
| Prince William Forest Park            | 209,312                      | 63,085               | 6,964                         | 5,445                               | 102    | 2,532                            | 3,937                        |
| Pu'uhonua o Honaunau NHP              | 485,145                      | 0                    | 24,092                        | 22,435                              | 451    | 8,959                            | 13,867                       |
| Puukohola Heiau NHS                   | 98,026                       | 0                    | 4,868                         | 4,533                               | 91     | 1,810                            | 2,802                        |
| Rainbow Bridge NM                     | 87,642                       | 0                    | 4,352                         | 4,053                               | 82     | 1,619                            | 2,505                        |
| Redwood NP                            | 383,780                      | 13,420               | 17,417                        | 15,227                              | 306    | 6,081                            | 9,412                        |
| Richmond NBP                          | 141,151                      | 0                    | 8,828                         | 7,957                               | 160    | 3,178                            | 4,918                        |
| Rio Grande WSR                        | 135                          | 953                  | 6                             | 6                                   | 0      | 2                                | 3                            |
| Rock Creek Park                       | 2,181,863                    | 0                    | 63,053                        | 57,353                              | 1,077  | 26,663                           | 41,466                       |
| Rocky Mountain NP                     | 2,743,676                    | 206,250              | 195,957                       | 192,230                             | 3,833  | 66,740                           | 103,196                      |
| Roger Williams Nmem                   | 52,671                       | 0                    | 3,400                         | 3,166                               | 59     | 1,472                            | 2,289                        |
| Ross Lake NRA                         | 265,022                      | 48,458               | 8,021                         | 7,105                               | 142    | 2,467                            | 3,814                        |
| Russell Cave NM                       | 24,851                       | 0                    | 1,234                         | 1,149                               | 23     | 459                              | 710                          |
| Sagamore Hill NHS                     | 43,719                       | 0                    | 2,822                         | 2,628                               | 49     | 1,222                            | 1,900                        |
| Saguaro NP                            | 619,983                      | 1,552                | 44,025                        | 41,811                              | 841    | 16,697                           | 25,843                       |
| Saint Croix NSR                       | 506,841                      | 82,689               | 14,578                        | 12,779                              | 255    | 4,437                            | 6,860                        |
| Saint Paul's Church NHS               | 14,431                       | 0                    | 932                           | 868                                 | 16     | 403                              | 627                          |
| *Saint-Gaudens NHS                    | 25,858                       | 0                    | 924                           | 645                                 | 14     | 323                              | 480                          |
| Salem Maritime NHS                    | 761,945                      | 0                    | 49,189                        | 45,805                              | 860    | 21,295                           | 33,117                       |
| Salinas Pueblo Missions NM            | 32,996                       | 0                    | 1,240                         | 1,188                               | 24     | 412                              | 638                          |
| San Antonio Missions NHP              | 1,173,771                    | 0                    | 42,543                        | 38,088                              | 715    | 17,707                           | 27,538                       |
| San Francisco Maritime NHP            | 3,984,645                    | 10,961               | 76,905                        | 56,877                              | 1,068  | 26,442                           | 41,122                       |
| San Juan Island NHP                   | 258,804                      | 0                    | 16,708                        | 15,558                              | 292    | 7,233                            | 11,249                       |
| San Juan NHS                          | 1,167,558                    | 0                    | 57,981                        | 53,992                              | 1,086  | 21,562                           | 33,372                       |
| Santa Monica Mountains NRA            | 534,378                      | 144                  | 20,128                        | 11,932                              | 224    | 5,547                            | 8,627                        |
| Saratoga NHP                          | 99,581                       | 0                    | 3,462                         | 3,223                               | 64     | 1,119                            | 1,730                        |
| Saugus Iron Works NHS                 | 11,153                       | 0                    | 720                           | 670                                 | 13     | 312                              | 485                          |
| Scotts Bluff NM                       | 98,352                       | 0                    | 2,531                         | 2,104                               | 42     | 840                              | 1,301                        |
| *Sequoia/Kings Canyon NP <sup>a</sup> | 1,166,629                    | 365,610              | 80,934                        | 74,635                              | 1,651  | 33,071                           | 51,780                       |
| Shenandoah NP                         | 1,076,150                    | 252,114              | 45,922                        | 41,073                              | 819    | 14,260                           | 22,050                       |
| Shiloh NMP                            | 335,657                      | 0                    | 11,668                        | 10,865                              | 217    | 3,772                            | 5,833                        |
| Sitka NHP                             | 331,393                      | 0                    | 11,520                        | 10,727                              | 214    | 3,724                            | 5,759                        |
| Sleeping Bear Dunes NL                | 1,213,026                    | 109,572              | 33,427                        | 26,506                              | 528    | 9,203                            | 14,229                       |
| Springfield Armory NHS                | 17,115                       | 0                    | 1,105                         | 1,029                               | 19     | 478                              | 744                          |
| Statue of Liberty NM                  | 3,263,585                    | 0                    | 131,574                       | 118,569                             | 2,227  | 55,123                           | 85,725                       |
| Steamtown NHS                         | 61,178                       | 0                    | 2,127                         | 1,980                               | 39     | 688                              | 1,063                        |
| Stones River NB                       | 201,016                      | 0                    | 9,982                         | 9,296                               | 187    | 3,712                            | 5,746                        |
| Sunset Crater Volcano NM              | 221,406                      | 0                    | 10,995                        | 10,239                              | 206    | 4,089                            | 6,328                        |
| Tallgrass Prairie NPres               | 27,260                       | 0                    | 1,355                         | 1,287                               | 26     | 447                              | 691                          |

| Table A-1. Spending and Loc         | al Economic                  | Impacts b            | y Park, CY                    | 2006                                |        |                                  |                              |
|-------------------------------------|------------------------------|----------------------|-------------------------------|-------------------------------------|--------|----------------------------------|------------------------------|
|                                     | Public U                     | se Data              | Visitor Spe                   | ending 2006                         | Impact | ts of Non-Loca<br>Spending       | al Visitor                   |
| Park Unit                           | 2006<br>Recreation<br>Visits | 2006<br>OVN<br>stays | All<br>Visitors<br>(\$ 000's) | Non-Local<br>Visitors<br>(\$ 000's) | Jobs   | Personal<br>Income<br>(\$ 000's) | Value<br>Added<br>(\$ 000's) |
| Thaddeus Kosciuszko NMem            | 3,990                        | 0                    | 258                           | 240                                 | 5      | 112                              | 173                          |
| Theodore Roosevelt Birthplace NHS   | 10,713                       | 0                    | 692                           | 644                                 | 12     | 299                              | 466                          |
| Theodore Roosevelt Inaugural NHS    | 13,218                       | 0                    | 853                           | 795                                 | 15     | 369                              | 575                          |
| Theodore Roosevelt Island           | 103,324                      | 0                    | 6,670                         | 6,211                               | 117    | 2,888                            | 4,491                        |
| Theodore Roosevelt NP               | 435,359                      | 20,768               | 21,612                        | 20,547                              | 410    | 7,134                            | 11,030                       |
| Thomas Jefferson Memorial           | 2,219,255                    | 0                    | 64,133                        | 58,336                              | 1,096  | 27,120                           | 42,176                       |
| Thomas Stone NHS                    | 5,019                        | 0                    | 324                           | 302                                 | 6      | 140                              | 218                          |
| Timpanogos Cave NM                  | 110,840                      | 0                    | 7,156                         | 6,663                               | 125    | 3,098                            | 4,818                        |
| Timucuan Ecological & Historic Pres | 1,011,989                    | 0                    | 93,437                        | 88,735                              | 1,667  | 41,253                           | 64,155                       |
| Tonto NM                            | 63,733                       | 0                    | 3,165                         | 2,947                               | 59     | 1,177                            | 1,822                        |
| Tumacacori NHP                      | 45,015                       | 0                    | 1,565                         | 1,457                               | 29     | 506                              | 782                          |
| Tuskegee Airmen NHS                 | 11,345                       | 0                    | 563                           | 525                                 | 11     | 210                              | 324                          |
| Tuskegee Institute NHS              | 72,778                       | 0                    | 3,614                         | 3,365                               | 68     | 1,344                            | 2,080                        |
| Tuzigoot NM                         | 115,213                      | 0                    | 5,721                         | 5,328                               | 107    | 2,128                            | 3,293                        |
| Ulysses S. Grant NHS                | 25,758                       | 0                    | 1,663                         | 1,548                               | 29     | 720                              | 1,120                        |
| Upper Delaware SRR                  | 200,338                      | 0                    | 5,651                         | 4,899                               | 98     | 1,701                            | 2,630                        |
| USS Arizona Memorial                | 1,542,757                    | 0                    | 55,916                        | 50,062                              | 940    | 23,273                           | 36,194                       |
| *Valley Forge NHP                   | 1,340,679                    | 2,000                | 45,540                        | 33,192                              | 793    | 15,377                           | 24,036                       |
| Vanderbilt Mansion NHS              | 391,899                      | 0                    | 11,499                        | 9,704                               | 182    | 4,511                            | 7,016                        |
| Vicksburg NMP                       | 676,605                      | 0                    | 33,600                        | 31,288                              | 629    | 12,495                           | 19,339                       |
| Vietnam Veterans Memorial           | 3,629,739                    | 0                    | 104,894                       | 95,412                              | 1,792  | 44,357                           | 68,982                       |
| *Virgin Islands NP                  | 677,289                      | 122,986              | 80,300                        | 80,300                              | 1,919  | 39,063                           | 59,592                       |
| Voyageurs NP                        | 231,875                      | 23,225               | 11,593                        | 11,034                              | 220    | 3,831                            | 5,924                        |
| Walnut Canyon NM                    | 120,820                      | 0                    | 6,000                         | 5,587                               | 112    | 2,231                            | 3,453                        |
| War in the Pacific NHP              | 40,005                       | 0                    | 1,391                         | 1,295                               | 26     | 450                              | 695                          |
| Washington Monument                 | 586,603                      | 0                    | 16,952                        | 27,448                              | 548    | 13,561                           | 21,090                       |
| Washita Battlefield NHS             | 14,408                       | 0                    | 510                           | 476                                 | 9      | 165                              | 255                          |
| Weir Farm NHS                       | 11,795                       | 0                    | 761                           | 709                                 | 13     | 330                              | 513                          |
| Whiskeytown-Shasta-Trinity          | 749,979                      | 55,998               | 30,903                        | 27,023                              | 544    | 10,792                           | 16,703                       |
| White House                         | 481,951                      | 0                    | 13,928                        | 12,669                              | 238    | 5,890                            | 9,159                        |
| White Sands NM                      | 440,927                      | 1,048                | 22,443                        | 22,135                              | 441    | 7,685                            | 11,883                       |
| Whitman Mission NHS                 | 52,849                       | 0                    | 1,837                         | 1,711                               | 34     | 594                              | 918                          |
| William Howard Taft NHS             | 14,720                       | 0                    | 950                           | 885                                 | 17     | 411                              | 640                          |
| Wilson's Creek NB                   | 141,677                      | 0                    | 7,036                         | 6,552                               | 132    | 2,616                            | 4,050                        |
| Wind Cave NP                        | 591,049                      | 5,279                | 41,967                        | 39,863                              | 802    | 15,920                           | 24,640                       |
| Wolf Trap Farm Park                 | 490,547                      | 0                    | 31,669                        | 29,490                              | 554    | 13,710                           | 21,321                       |
| Women's Rights NHP                  | 16,146                       | 0                    | 511                           | 490                                 | 10     | 170                              | 263                          |
| Wrangell-St Elias NP & Pres         | 50,336                       | 0                    | 2,503                         | 2,377                               | 47     | 825                              | 1,276                        |
| Wright Brothers NMem                | 466,144                      | 0                    | 16,204                        | 15,089                              | 301    | 5,239                            | 8,100                        |

| Table A-1. Spending and Lo | Table A-1. Spending and Local Economic Impacts by Park, CY 2006 |                                |                               |                                     |  |                                  |                              |  |  |  |  |
|----------------------------|---|--------------------------------|-------------------------------|-------------------------------------|--|----------------------------------|------------------------------|--|--|--|--|
|                            | Public U  | Use Data Visitor Spending 2006 |                               |                                     | Impacts of Non-Local Visitor<br>Spending |                                  |                              |  |  |  |  |
| Park Unit                  | 2006<br>Recreation<br>Visits                                    | 2006<br>OVN<br>stays           | All<br>Visitors<br>(\$ 000's) | Non-Local<br>Visitors<br>(\$ 000's) | Jobs                                     | Personal<br>Income<br>(\$ 000's) | Value<br>Added<br>(\$ 000's) |  |  |  |  |
| Wupatki NM                 | 236,449   | 0                              | 11,742                        | 10,934                              | 220                                      | 4,367                            | 6,758                        |  |  |  |  |
| Yellowstone NP             | 2,870,295   | 1,141,164                      | 296,263                       | 282,059                             | 5,673                                    | 112,642                          | 174,341                      |  |  |  |  |
| *Yosemite NP               | 3,242,644   | 1,568,625                      | 261,475                       | 236,349                             | 4,688                                    | 114,969                          | 176,181                      |  |  |  |  |
| Yukon-Charley Rivers Npres | 12,083  | 24,722                         | 693                           | 675                                 | 13                                       | 235                              | 363                          |  |  |  |  |
| Zion NP                    | 2,567,350   | 274,878                        | 98,639                        | 93,757                              | 1,886                                    | 37,442                           | 57,951                       |  |  |  |  |

<sup>\*</sup> Results are based on a visitor survey at the designated park that included spending data. For these parks the full MGM2 model is used along with custom multipliers for the local region. For other parks, a variation of the MGM2 shortform model is employed along with MGM2 generic multipliers.

a. Sequoia and Kings Canyon National Parks are combined for the economic analysis. Recreation visits for the two parks are reduced to reflect double counting between the two parks

| Table A-2. Payroll Impacts on Lo       | cal Econom | nies by Park        | k, FY 200   | 06         |                                 |                          |
|--|------------|---------------------|-------------|------------|---------------------------------|--------------------------|
|  | Pa         | ırk Payroll         |             | Impa       | cts of Park I                   | Payroll                  |
| Park Unit                              | Salary     | Payroll<br>Benefits | NPS<br>Jobs | Total Jobs | Personal<br>Income<br>(\$000's) | Value Added<br>(\$000's) |
| Abraham Lincoln Birthplace NHS         | \$ 668,171 | \$ 158,518          | 16          | 22         | \$ 960                          | \$ 1,061                 |
| Acadia NP                              | 5,975,508  | 1,475,573           | 144         | 201        | 9,124                           | 10,439                   |
| Adams NHS                              | 1,167,720  | 278,406             | 26          | 39         | 1,831                           | 2,088                    |
| Agate Fossil Beds NM                   | 383,692    | 93,518              | 10          | 13         | 554                             | 612                      |
| Allegheny Portage Railroad NHS         | 1,333,112  | 441,341             | 25          | 38         | 2,148                           | 2,441                    |
| Amistad NRA                            | 1,938,370  | 610,298             | 46          | 62         | 2,936                           | 3,227                    |
| Andersonville NHS                      | 804,271    | 205,246             | 17          | 24         | 1,170                           | 1,291                    |
| Andrew Johnson NHS                     | 439,227    | 102,016             | 9           | 13         | 664                             | 761                      |
| Antietam NB                            | 2,219,675  | 626,157             | 53          | 74         | 3,467                           | 3,956                    |
| Apostle Islands NL                     | 2,067,470  | 585,784             | 40          | 56         | 3,067                           | 3,377                    |
| Appomattox Court House NHP             | 908,399    | 244,701             | 20          | 29         | 1,407                           | 1,607                    |
| Arches NP                              | 845,601    | 247,113             | 22          | 29         | 1,262                           | 1,389                    |
| Arkansas Post NMem                     | 459,324    | 133,491             | 11          | 15         | 685                             | 754                      |
| Arlington House, The Robert E. Lee Mem | 681,587    | 195,991             | 17          | 25         | 1,103                           | 1,252                    |
| Assateague Island NS                   | 3,226,619  | 812,201             | 76          | 106        | 4,942                           | 5,652                    |
| Aztec Ruins NM                         | 870,336    | 242,635             | 22          | 31         | 1,357                           | 1,548                    |
| Badlands NP                            | 3,024,586  | 805,075             | 71          | 96         | 4,435                           | 4,888                    |
| Bandelier NM                           | 2,791,528  | 815,098             | 75          | 101        | 4,388                           | 5,002                    |
| Bent's Old Fort NHS                    | 736,575    | 188,171             | 17          | 23         | 1,072                           | 1,183                    |
| Bering Land Bridge Npres               | 186,082    | 38,374              | 3           | 6          | 286                             | 327                      |
| Big Bend NP                            | 4,544,365  | 1,290,561           | 111         | 148        | 6,744                           | 7,425                    |
| Big Cypress Npres                      | 4,433,911  | 1,191,457           | 79          | 127        | 7,089                           | 8,064                    |
| Big South Fork NRRA                    | 2,651,972  | 833,383             | 50          | 71         | 4,016                           | 4,414                    |
| Big Thicket NPres                      | 2,010,450  | 634,351             | 50          | 69         | 3,208                           | 3,650                    |
| Bighorn Canyon NRA                     | 2,700,747  | 683,390             | 54          | 76         | 3,924                           | 4,329                    |
| Biscayne NP                            | 2,382,839  | 692,783             | 47          | 73         | 3,862                           | 4,386                    |
| Black Canyon of the Gunnison NP        | 812,299    | 227,320             | 18          | 25         | 1,202                           | 1,324                    |
| Blue Ridge Parkway                     | 11,279,839 | 3,055,889           | 246         | 353        | 17,494                          | 19,976                   |
| Bluestone NSR                          | 4,487,686  | 1,331,933           | 91          | 134        | 7,076                           | 8,063                    |
| Booker T. Washington NM                | 540,252    | 168,611             | 11          | 16         | 860                             | 979                      |
| Boston African American NHS            | 407,365    | 82,834              | 13          | 18         | 625                             | 714                      |
| Boston NHP                             | 5,534,655  | 1,506,997           | 103         | 164        | 8,868                           | 10,086                   |
| Brown V. Board of Education NHS        | 678,766    | 214,021             | 15          | 22         | 1,117                           | 1,266                    |
| Bryce Canyon NP                        | 2,550,131  | 674,533             | 74          | 94         | 3,735                           | 4,117                    |
| Buck Island Reef NM                    | 267,945    | 67,988              | 5           | 8          | 390                             | 430                      |
| Buffalo National River                 | 3,934,344  | 1,195,358           | 93          | 124        | 5,917                           | 6,507                    |
| Cabrillo NM                            | 1,167,745  | 325,610             | 27          | 40         | 1,879                           | 2,136                    |
| Canaveral NS                           | 1,970,815  | 541,559             | 43          | 62         | 3,064                           | 3,498                    |
| Cane River Creole NHP                  | 675,953    | 162,430             | 22          | 27         | 974                             | 1,075                    |

| Table A-2. Payroll Impacts on Lo | cal Econom | nies by Park        | , FY 20     | 06         |                                 |                          |
|----------------------------------|------------|---------------------|-------------|------------|---------------------------------|--------------------------|
|                                  | Pa         | ark Payroll         |             | Impa       | cts of Park l                   | Payroll                  |
| Park Unit                        | Salary     | Payroll<br>Benefits | NPS<br>Jobs | Total Jobs | Personal<br>Income<br>(\$000's) | Value Added<br>(\$000's) |
| Canyon de Chelly NM              | 1,441,776  | 307,130             | 44          | 58         | 2,153                           | 2,470                    |
| Canyonlands NP                   | 4,539,442  | 1,303,648           | 118         | 155        | 6,751                           | 7,432                    |
| Cape Cod NS                      | 5,829,509  | 1,429,616           | 128         | 175        | 8,425                           | 9,299                    |
| Cape Hatteras NS                 | 4,959,373  | 1,267,338           | 111         | 151        | 7,219                           | 7,962                    |
| Cape Lookout NS                  | 2,236,471  | 439,260             | 52          | 70         | 3,123                           | 3,458                    |
| Capitol Reef NP                  | 1,397,473  | 389,950             | 30          | 41         | 2,067                           | 2,277                    |
| Capulin Volcano NM               | 470,213    | 135,083             | 11          | 15         | 699                             | 770                      |
| Carl Sandburg Home NHS           | 733,053    | 199,061             | 18          | 25         | 1,137                           | 1,299                    |
| Carlsbad Caverns NP              | 4,078,701  | 1,057,838           | 99          | 138        | 6,279                           | 7,176                    |
| Casa Grande Ruins NM             | 513,765    | 174,121             | 11          | 15         | 791                             | 868                      |
| Castillo de San Marcos NM        | 1,498,052  | 413,964             | 36          | 52         | 2,406                           | 2,736                    |
| Castle Clinton NM                | 309,369    | 92,329              | 6           | 10         | 504                             | 572                      |
| Catoctin Mountain Park           | 1,940,215  | 499,979             | 48          | 66         | 2,983                           | 3,410                    |
| Cedar Breaks NM                  | 405,811    | 65,825              | 11          | 15         | 553                             | 614                      |
| Central High School              | 444,106    | 120,990             | 14          | 18         | 689                             | 787                      |
| Chaco Culture NHP                | 1,363,085  | 349,751             | 28          | 41         | 2,095                           | 2,394                    |
| Chamizal NMem                    | 1,196,588  | 344,430             | 27          | 40         | 1,936                           | 2,199                    |
| Channel Islands NP               | 4,067,805  | 1,065,345           | 81          | 125        | 6,476                           | 7,370                    |
| Charles Pinckney NHS             | 362,834    | 106,853             | 7           | 10         | 571                             | 651                      |
| Chattahoochee River NRA          | 2,040,064  | 545,289             | 40          | 62         | 3,259                           | 3,707                    |
| Chesapeake & Ohio Canal NHP      | 5,488,126  | 1,497,138           | 119         | 171        | 8,522                           | 9,729                    |
| Chickamauga & Chattanooga NMP    | 1,825,116  | 502,503             | 45          | 62         | 2,839                           | 3,240                    |
| Chickasaw NRA                    | 2,698,905  | 732,067             | 76          | 97         | 3,971                           | 4,376                    |
| Chiricahua NM                    | 1,015,482  | 295,442             | 24          | 34         | 1,595                           | 1,819                    |
| Christiansted NHS                | 225,978    | 52,692              | 10          | 12         | 324                             | 358                      |
| City of Rocks NRES               | 10,334     | 2,014               | 3           | 3          | 15                              | 18                       |
| Clara Barton NHS                 | 321,808    | 80,856              | 11          | 14         | 509                             | 580                      |
| Colonial NHP                     | 4,643,612  | 1,363,150           | 93          | 137        | 7,307                           | 8,329                    |
| Colorado NM                      | 880,062    | 245,067             | 20          | 29         | 1,372                           | 1,565                    |
| Congaree Swamp NM                | 603,467    | 171,375             | 14          | 20         | 944                             | 1,077                    |
| Coronado Nmem                    | 584,133    | 198,538             | 11          | 16         | 899                             | 987                      |
| Cowpens NB                       | 357,789    | 102,928             | 11          | 14         | 561                             | 640                      |
| Crater Lake NP                   | 3,823,367  | 939,776             | 88          | 125        | 5,834                           | 6,675                    |
| Craters of the Moon NM           | 789,581    | 235,859             | 17          | 23         | 1,183                           | 1,302                    |
| Cumberland Gap NHP               | 2,149,398  | 657,222             | 56          | 77         | 3,408                           |                          |
| Cumberland Island NS             | 1,454,682  | 467,717             | 31          | 45         | 2,330                           |                          |
| Curecanti NRA                    | 2,197,992  | 566,076             | 47          | 68         | 3,380                           |                          |
| Cuyahoga Valley NP               | 7,232,525  | 1,995,697           | 161         | 241        | 11,615                          |                          |
| Dayton Aviation Heritage NHP     | 1,039,313  | 248,278             | 28          |            |                                 |                          |
| De Soto Nmem                     | 320,925    | 99,298              | 9           |            |                                 |                          |

| Table A-2. Payroll Impacts on L | ocal Econom | nies by Park        | , FY 200    | 06         |                                 |                          |
|---------------------------------|-------------|---------------------|-------------|------------|---------------------------------|--------------------------|
|                                 | Pa          | ırk Payroll         |             | Impa       | cts of Park l                   | Payroll                  |
| Park Unit                       | Salary      | Payroll<br>Benefits | NPS<br>Jobs | Total Jobs | Personal<br>Income<br>(\$000's) | Value Added<br>(\$000's) |
| Death Valley NP                 | 5,660,952   | 1,449,004           | 129         | 174        | 8,242                           | 9,091                    |
| Delaware Water Gap NRA          | 6,645,309   | 1,714,737           | 122         | 185        | 10,221                          | 11,683                   |
| Denali NP & Pres                | 9,483,802   | 2,007,471           | 180         | 270        | 14,147                          | 16,233                   |
| Devils Postpile NM              | 239,386     | 60,052              | 7           | 9          | 347                             | 383                      |
| Devils Tower NM                 | 897,313     | 185,437             | 23          | 30         | 1,262                           | 1,397                    |
| Dinosaur NM                     | 2,206,153   | 561,961             | 56          | 73         | 3,209                           | 3,540                    |
| Dry Tortugas NP                 | 599,976     | 188,591             | 12          | 19         | 987                             | 1,119                    |
| Edgar Allan Poe NHS             | 284,571     | 88,802              | 7           | 11         | 467                             | 530                      |
| Edison NHS                      | 1,351,373   | 339,948             | 23          | 38         | 2,137                           | 2,435                    |
| Effigy Mounds NM                | 811,484     | 151,371             | 25          | 31         | 1,125                           | 1,247                    |
| Eisenhower NHS                  | 909,743     | 229,395             | 18          | 27         | 1,394                           | 1,594                    |
| El Malpais NM                   | 1,117,631   | 303,298             | 26          | 35         | 1,644                           | 1,812                    |
| El Morro NM                     | 485,658     | 126,812             | 13          | 17         | 710                             | 782                      |
| Eleanor Roosevelt NHS           | 224,241     | 45,639              | 8           | 10         | 315                             | 348                      |
| Eugene O'Neill NHS              | 219,576     | 63,889              | 5           | 8          | 356                             | 404                      |
| Everglades NP                   | 14,985,307  | 3,984,171           | 278         | 443        | 23,915                          | 27,211                   |
| Federal Hall NMem               | 206,947     | 40,073              | 6           | 8          | 315                             |                          |
| Fire Island NS                  | 2,943,267   | 688,816             | 59          | 87         | 4,456                           | 5,104                    |
| First Ladies NHS                | 30,025      | 8,528               | 1           | 1          | 47                              | 54                       |
| Florissant Fossil Beds NM       | 551,564     | 162,288             | 14          | 19         | 868                             | 990                      |
| Ford's Theatre NHS              | 897,630     | 239,773             | 19          | 29         | 1,434                           | 1,631                    |
| Fort Bowie NHS                  | 282,987     | 94,197              | 7           | 10         | 456                             | 519                      |
| Fort Caroline NMem              | 1,414,257   | 391,827             | 29          | 45         | 2,273                           |                          |
| Fort Davis NHS                  | 751,903     | 206,479             | 19          | 25         | 1,109                           |                          |
| Fort Donelson NB                | 744,553     | 210,230             | 17          | 23         | 1,104                           |                          |
| Fort Frederica NM               | 476,767     | 147,076             | 9           | 14         | 757                             |                          |
| Fort Laramie NHS                | 932,761     | 252,138             | 24          | 31         |                                 |                          |
| Fort Larned NHS                 | 784,430     | 212,851             | 20          | 26         | 1,154                           |                          |
| Fort Matanzas NM                | 40,416      | 17,267              | 1           | 2          | 71                              |                          |
| Fort McHenry NM & HS            | 1,243,498   | 300,494             | 28          | 42         | 1,954                           | 2,228                    |
| Fort Necessity NB               | 1,054,497   | 332,785             | 21          | 29         |                                 |                          |
| Fort Point NHS                  | 281,881     | 57,204              | 6           | 9          |                                 | 1                        |
| Fort Pulaski NM                 | 664,771     | 183,576             | 15          | 21         | 1,034                           |                          |
| Fort Raleigh NHS                | 230,031     | 65,777              | 5           | 7          | 342                             |                          |
| Fort Scott NHS                  | 815,228     | 195,034             | 17          | 24         | 1,173                           |                          |
| Fort Smith NHS                  | 546,632     | 155,946             | 13          | 18         | 856                             |                          |
| Fort Stanwix NM                 | 742,306     | 194,001             | 18          | 24         | 1,085                           |                          |
| Fort Sumter NM                  | 1,248,797   | 356,338             | 28          | 42         | 2,017                           |                          |
| Fort Union NM                   | 559,605     | 131,081             | 17          | 21         | 803                             |                          |
| Fort Union Trading Post NHS     | 489,186     | 109,058             | 13          |            |                                 | Ĭ                        |

| Table A-2. Payroll Impacts on L   | ocal Econom | nies by Park        | , FY 20     | 06         |                                 |                          |
|-----------------------------------|-------------|---------------------|-------------|------------|---------------------------------|--------------------------|
|                                   | Pa          | ırk Payroll         |             | Impa       | cts of Park l                   | Payroll                  |
| Park Unit                         | Salary      | Payroll<br>Benefits | NPS<br>Jobs | Total Jobs | Personal<br>Income<br>(\$000's) | Value Added<br>(\$000's) |
| Fort Vancouver NHS                | 1,111,648   | 299,745             | 26          | 37         | 1,723                           | 1,967                    |
| Fossil Butte NM                   | 450,727     | 120,986             | 11          | 14         | 662                             | 729                      |
| Frederick Douglass NHS            | 333,430     | 67,139              | 10          | 14         | 511                             | 584                      |
| Frederick Law Olmsted NHS         | 1,106,085   | 299,473             | 22          | 34         | 1,771                           | 2,014                    |
| Fredericksburg & Spotsylvania NMP | 2,533,898   | 641,274             | 52          | 76         | 3,885                           | 4,442                    |
| Friendship Hill NHS               | 286,187     | 110,561             | 6           | 9          | 491                             | 554                      |
| Gates of the Arctic NP & Pres     | 1,304,347   | 300,165             | 32          | 42         | 1,865                           | 2,061                    |
| Gateway NRA                       | 16,480,870  | 3,817,921           | 339         | 520        | 25,737                          | 29,363                   |
| Gauley River NRA                  | 159,528     | 65,278              | 3           | 5          | 269                             | 305                      |
| General Grant NMem                | 489,665     | 137,966             | 13          | 18         | 789                             | 897                      |
| George Rogers Clark NHP           | 533,012     | 140,594             | 12          | 17         | 823                             | 940                      |
| George Washington Birthplace NM   | 1,037,664   | 272,223             | 24          | 34         | 1,600                           | 1,829                    |
| George Washington Carver NM       | 599,600     | 156,112             | 18          | 24         | 924                             | 1,056                    |
| George Washington Memorial Pkwy   | 5,560,525   | 1,554,329           | 114         | 175        | 8,950                           | 10,173                   |
| Gettysburg NMP                    | 4,454,356   | 1,044,689           | 83          | 126        | 6,746                           | 7,726                    |
| Gila Cliff Dwellings NM           | 190,625     | 34,533              | 4           | 6          | 263                             | 292                      |
| Glacier Bay NP & Pres             | 3,784,248   | 871,675             | 64          | 94         | 5,413                           | 5,980                    |
| Glacier NP                        | 11,957,409  | 2,658,977           | 289         | 403        | 17,964                          | 20,595                   |
| Glen Canyon NRA                   | 7,642,093   | 2,177,873           | 159         | 232        | 11,960                          | 13,641                   |
| Golden Gate NRA                   | 12,016,044  | 3,039,106           | 241         | 373        | 19,020                          | 21,664                   |
| Golden Spike NHS                  | 554,665     | 147,826             | 12          | 18         | 858                             | 980                      |
| Governors Island NM               | 558,062     | 142,449             | 12          | 18         | 885                             | 1,007                    |
| Grand Canyon NP                   | 21,838,528  | 5,850,159           | 505         | 713        | 33,803                          | 38,608                   |
| Grand Portage NM                  | 584,908     | 162,957             | 13          | 18         | 865                             | 953                      |
| Grand Teton NP                    | 9,573,266   | 2,457,706           | 226         | 317        | 14,711                          | 16,818                   |
| Grant-Kohrs Ranch NHS             | 897,424     | 245,277             | 21          | 28         | 1,322                           | 1,457                    |
| Great Basin NP                    | 1,984,958   | 510,639             | 43          | 59         | 2,893                           | 3,190                    |
| Great Sand Dunes NM               | 1,437,736   | 394,251             | 33          | 44         | 2,120                           | 2,335                    |
| Great Smoky Mountains NP          | 14,387,198  | 4,283,209           | 353         | 511        | 23,418                          | 26,583                   |
| Greenbelt Park                    | 605,103     | 139,989             | 13          | 20         | 945                             | 1,078                    |
| Guadalupe Mountains NP            | 1,690,459   | 523,939             | 38          | 54         | 2,688                           | 3,060                    |
| Guilford Courthouse NMP           | 493,300     | 147,897             | 11          | 16         | 779                             | 888                      |
| Gulf Islands NS                   | 4,511,022   | 1,256,595           | 105         | 148        | 7,031                           | 8,023                    |
| Hagerman Fossil Beds NM           | 523,984     | 141,127             | 14          | 18         | 770                             | 849                      |
| Haleakala NP                      | 3,660,852   | 946,592             | 87          | 121        | 5,632                           |                          |
| Hamilton Grange NMem              | 143,942     | 38,479              | 5           | 6          | 230                             |                          |
| Hampton NHS                       | 728,344     | 151,961             | 17          | 25         | 1,121                           | 1,281                    |
| Harpers Ferry NHP                 | 4,401,247   | 1,236,595           | 112         | 154        | 6,870                           |                          |
| Harry S Truman NHS                | 667,169     | 185,706             | 15          | 22         | 1,073                           |                          |
| Hawaii Volcanoes NP               | 6,321,569   | 1,616,065           | 138         |            |                                 |                          |

| Table A-2. Payroll Impacts on Lo          | ocal Econom | ies by Park         | , FY 200    | 06         |                                 |                          |
|---|-------------|---------------------|-------------|------------|---------------------------------|--------------------------|
|   | Pa          | ırk Payroll         |             | Impa       | cts of Park I                   | Payroll                  |
| Park Unit                                 | Salary      | Payroll<br>Benefits | NPS<br>Jobs | Total Jobs | Personal<br>Income<br>(\$000's) | Value Added<br>(\$000's) |
| Herbert Hoover NHS                        | 687,652     | 164,092             | 17          | 23         | 1,044                           | 1,196                    |
| Home of Franklin D. Roosevelt N           | 683,310     | 180,014             | 16          | 23         | 1,055                           | 1,205                    |
| Homestead National Monument of<br>America | 658,115     | 212,139             | 18          | 23         | 1,002                           | 1,101                    |
| Hopewell Culture NHP                      | 734,389     | 159,158             | 20          | 26         | 1,040                           | 1,151                    |
| Hopewell Furnace NHS                      | 907,518     | 224,682             | 21          | 29         | 1,386                           | 1,586                    |
| Horseshoe Bend NMP                        | 417,905     | 126,338             | 10          | 14         | 661                             | 753                      |
| Hot Springs NP                            | 3,220,618   | 964,917             | 82          | 113        | 5,087                           | 5,796                    |
| Hovenweep NM                              | 306,094     | 107,696             | 7           | 10         | 499                             | 567                      |
| Hubbell Trading Post NHS                  | 683,627     | 143,098             | 16          | 23         | 1,018                           | 1,169                    |
| Independence NHP                          | 11,172,607  | 3,112,469           | 216         | 339        | 17,972                          | 20,430                   |
| Indiana Dunes NL                          | 6,156,903   | 1,799,838           | 115         | 164        | 9,188                           | 10,112                   |
| Isle Royale NP                            | 2,648,316   | 665,778             | 57          | 79         | 3,844                           | 4,241                    |
| James A. Garfield NHS                     | 101,231     | 28,057              | 2           | 3          | 163                             | 185                      |
| Jean Lafitte NHP & PRES                   | 2,805,704   | 823,536             | 64          | 90         | 4,415                           | 5,032                    |
| Jefferson National Expansion Memorial     | 7,249,891   | 2,188,427           | 177         | 256        | 11,831                          | 13,426                   |
| Jewel Cave NM                             | 714,974     | 158,276             | 21          | 28         | 1,073                           | 1,231                    |
| Jimmy Carter NHS                          | 711,916     | 220,527             | 16          | 22         | 1,075                           |                          |
| John D Rockefeller Jr. Mem Pkwy           | 327,445     | 97,816              | 7           | 10         | 517                             | 589                      |
| John Day Fossil Beds NM                   | 921,391     | 222,717             | 21          | 29         | 1,328                           |                          |
| John Fitzgerald Kennedy NHS               | 230,263     | 53,499              | 5           | 7          | 360                             |                          |
| John Muir NHS                             | 463,699     | 117,348             | 10          | 15         | 734                             | 836                      |
| Johnstown Flood Nmem                      | 414,272     | 119,085             | 8           | 12         | 649                             | 740                      |
| Joshua Tree NP                            | 4,473,504   | 1,242,279           | 115         | 164        | 7,192                           | 8,176                    |
| Kalaupapa NHP                             | 1,908,604   | 523,082             | 40          | 58         | 2,966                           |                          |
| Kaloko-Honokohau NHP                      | 1,039,620   | 262,847             | 22          | 31         | 1,594                           |                          |
| Katmai NP & Pres/Aniakchak                | 2,088,014   | 437,384             | 39          | 56         |                                 |                          |
| Kenai Fjords NP                           | 1,991,660   | 430,686             | 40          | 59         | 2,980                           |                          |
| Kennesaw Mountain NBP                     | 800,190     | 212,220             | 15          | 23         | 1,276                           | 1,453                    |
| Kings Mountain NMP                        | 616,946     | 153,091             | 17          | 23         | 943                             |                          |
| Klondike Gold Rush NHP Alaska             | 331,348     | 101,069             | 9           | 12         | 542                             | 615                      |
| Klondike Gold Rush NHP Seattle            | 1,720,852   | 360,497             | 32          | 46         | 2,426                           | 2,684                    |
| Knife River Indian Villages NHS           | 457,421     | 124,506             | 12          | 15         | 673                             |                          |
| Lake Clark NP & Pres                      | 1,434,811   | 365,655             | 24          | 37         | 2,202                           |                          |
| Lake Mead NRA                             | 11,768,507  | 3,160,099           | 274         | 368        | 17,282                          |                          |
| Lake Meredith NRA                         | 1,752,709   | 542,323             | 45          | 61         | 2,786                           | ,                        |
| Lake Roosevelt NRA                        | 3,055,570   | 846,748             | 67          | 92         | 4,513                           |                          |
| Lassen Volcanic NP                        | 3,681,247   | 954,353             | 74          | 114        | 5,850                           |                          |
| Lava Beds NM                              | 1,445,698   | 376,035             | 34          | 48         | 2,227                           |                          |
| LBJ Memorial Grove on the Potomac         | 90,512      | 31,346              | 9           | 10         |                                 |                          |
| Lewis & Clark National Historic           | 1,099,798   | 267,890             | 28          | 39         |                                 |                          |

| Table A-2. Payroll Impacts on Lo         | ocal Econom | nies by Park        | , FY 200    | 06         |                                 |                          |
|--|-------------|---------------------|-------------|------------|---------------------------------|--------------------------|
|  | Pa          | ırk Payroll         |             | Impa       | cts of Park I                   | Payroll                  |
| Park Unit                                | Salary      | Payroll<br>Benefits | NPS<br>Jobs | Total Jobs | Personal<br>Income<br>(\$000's) | Value Added<br>(\$000's) |
| Lincoln Boyhood NMem                     | 579,946     | 155,759             | 15          | 20         | 898                             | 1,026                    |
| Lincoln Home NHS                         | 1,720,826   | 404,570             | 43          | 60         | 2,607                           | 2,986                    |
| Little Bighorn Battlefield NM            | 867,678     | 194,038             | 22          | 29         | 1,235                           | 1,365                    |
| Little River Canyon NPRES                | 648,492     | 178,135             | 17          | 22         | 956                             | 1,054                    |
| Longfellow NHS                           | 698,913     | 182,976             | 14          | 21         | 1,092                           | 1,231                    |
| Lowell NHP                               | 5,139,981   | 1,351,751           | 102         | 159        | 8,188                           | 9,319                    |
| Lyndon B. Johnson NHP                    | 2,339,853   | 675,322             | 52          | 78         | 3,787                           | 4,302                    |
| Maggie L Walker NHS                      | 384,273     | 94,048              | 13          | 17         | 586                             | 670                      |
| Mammoth Cave NP                          | 5,651,130   | 1,398,833           | 156         | 202        | 8,180                           | 9,028                    |
| Manassas NBP                             | 1,636,228   | 470,764             | 28          | 46         | 2,647                           | 3,007                    |
| Manzanar NHS                             | 640,162     | 188,975             | 15          | 21         | 957                             | 1,053                    |
| Marsh-Billings Rockefeller NHP           | 1,027,241   | 231,038             | 23          | 33         | 1,546                           | 1,772                    |
| Martin Luther King Jr NHS                | 1,816,497   | 431,969             | 43          | 63         | 2,848                           | 3,248                    |
| Martin Van Buren NHS                     | 815,797     | 178,332             | 18          | 25         | 1,157                           | 1,280                    |
| Mary McLeod Bethune Council House<br>NHS | 358,402     | 94,148              | 8           | 12         | 571                             | 650                      |
| Mesa Verde NP                            | 5,481,494   | 1,291,738           | 142         | 194        | 8,308                           | 9,514                    |
| Minute Man NHP                           | 1,680,899   | 454,505             | 34          | 52         | 2,690                           | 3,060                    |
| Minuteman Missile NHS                    | 348,460     | 116,464             | 10          | 13         | 535                             | 587                      |
| Missouri National Recreational           | 360,371     | 95,701              | 9           | 12         | 564                             | 636                      |
| Mojave Npres                             | 2,994,658   | 866,018             | 64          | 92         | 4,699                           | 5,358                    |
| Monocacy NB                              | 797,712     | 236,333             | 17          | 25         | 1,297                           | 1,473                    |
| Montezuma Castle NM                      | 1,393,135   | 337,445             | 37          | 50         | 2,121                           | 2,427                    |
| Moores Creek NB                          | 349,862     | 78,017              | 9           | 12         | 498                             | 550                      |
| Morristown NHP                           | 1,495,063   | 438,150             | 30          | 44         | 2,352                           | 2,681                    |
| Mount Rainier NP                         | 9,033,936   | 2,194,915           | 207         | 293        | 13,758                          | 15,746                   |
| Mount Rushmore Nmem                      | 3,226,883   | 961,964             | 74          | 105        | 5,092                           | 5,802                    |
| Muir Woods NM                            | 454,071     | 115,595             | 8           | 13         | 720                             | 819                      |
| Natchez NHP                              | 841,860     | 245,290             | 21          | 29         | 1,323                           | 1,508                    |
| Natchez Trace Parkway                    | 6,583,661   | 2,154,738           | 144         | 207        | 10,582                          | 12,030                   |
| National Capital Parks Central           | 13,331,646  | 3,451,521           | 284         | 431        | 21,183                          | 24,116                   |
| National Capital Parks East              | 6,890,611   | 1,824,257           | 148         | 224        | 10,989                          | 12,505                   |
| Natural Bridges NM                       | 302,956     | 81,862              | 6           | 9          | 470                             | 536                      |
| Navajo NM                                | 618,069     | 134,683             | 16          | 22         | 926                             | 1,062                    |
| New Bedford Whaling NHP                  | 373,493     | 102,929             | 7           | 11         | 600                             | 682                      |
| New Orleans Jazz NHP                     | 240,016     | 78,589              | 6           | 8          | 386                             | 439                      |
| New River Gorge NR                       | 615,205     | 103,870             | 17          | 23         | 891                             | 1,027                    |
| Nez Perce NHP                            | 1,637,487   | 457,067             | 40          | 53         | 2,422                           | 2,668                    |
| Nicodemus NHS                            | 205,930     | 57,690              | 5           | 6          | 305                             |                          |
| Ninety Six NHS                           | 318,614     | 90,486              | 8           | 11         | 498                             | 568                      |
| Niobrara NSR                             | 342,375     | 108,118             | 8           | 11         | 519                             |                          |

| Table A-2. Payroll Impacts on Local Economies by Park, FY 2006 |            |                     |             |                         |                                 |                          |  |  |  |
|--|------------|---------------------|-------------|-------------------------|---------------------------------|--------------------------|--|--|--|
|  | Pa         | rk Payroll          |             | Impacts of Park Payroll |                                 |                          |  |  |  |
| Park Unit  | Salary     | Payroll<br>Benefits | NPS<br>Jobs | Total Jobs              | Personal<br>Income<br>(\$000's) | Value Added<br>(\$000's) |  |  |  |
| North Cascades NP  | 6,458,111  | 1,681,350           | 170         | 232                     | 9,948                           | 11,369                   |  |  |  |
| Obed Wild and Scenic River                                     | 413,811    | 125,305             | 11          | 15                      | 655                             | 746                      |  |  |  |
| Ocmulgee NM  | 555,897    | 159,059             | 14          | 19                      | 871                             | 993                      |  |  |  |
| Olympic NP   | 9,459,852  | 2,350,356           | 212         | 302                     | 14,459                          | 16,540                   |  |  |  |
| Oregon Caves NM  | 778,885    | 173,439             | 21          | 29                      | 1,170                           | 1,342                    |  |  |  |
| Organ Pipe Cactus NM   | 2,123,889  | 662,143             | 38          | 58                      | 3,381                           | 3,848                    |  |  |  |
| Ozark National Scenic Riverways                                | 4,598,220  | 1,343,365           | 95          | 138                     | 7,229                           | 8,241                    |  |  |  |
| Padre Island NS  | 2,746,956  | 747,653             | 65          | 91                      | 4,264                           | 4,868                    |  |  |  |
| Palo Alto Battlefield NHS                                      | 444,944    | 130,635             | 13          | 16                      | 665                             | 731                      |  |  |  |
| Pea Ridge NMP  | 679,917    | 176,553             | 20          | 27                      | 1,047                           | 1,196                    |  |  |  |
| Pecos NHP  | 977,608    | 295,285             | 19          | 27                      | 1,468                           | 1,615                    |  |  |  |
| Perry's Victory and Internatl Peace Mem                        | 740,217    | 195,006             | 17          | 23                      | 1,083                           | 1,194                    |  |  |  |
| Petersburg NB  | 1,872,045  | 499,851             | 38          | 56                      | 2,896                           | 3,308                    |  |  |  |
| Petrified Forest NP  | 2,416,567  | 666,440             | 53          | 76                      | 3,760                           | 4,291                    |  |  |  |
| Petroglyph NM  | 1,086,331  | 299,188             | 23          | 35                      | 1,744                           | 1,983                    |  |  |  |
| Pictured Rocks NL  | 1,391,967  | 334,642             | 28          | 39                      | 2,005                           | 2,214                    |  |  |  |
| Pinnacles NM   | 1,988,870  | 535,467             | 40          | 56                      | 2,922                           | 3,220                    |  |  |  |
| Pipe Spring NM   | 606,605    | 161,862             | 15          | 21                      | 938                             | 1,072                    |  |  |  |
| Pipestone NM   | 552,189    | 150,112             | 13          | 17                      | 813                             | 896                      |  |  |  |
| Piscataway Park  | 358,308    | 104,627             | 7           | 11                      | 581                             | 660                      |  |  |  |
| Point Reyes NS   | 5,814,700  | 1,563,539           | 124         | 188                     | 9,297                           | 10,576                   |  |  |  |
| Prince William Forest Park                                     | 1,645,719  | 462,245             | 42          | 61                      | 2,651                           | 3,013                    |  |  |  |
| Pu'uhonua o Honaunau NHP                                       | 1,007,203  | 263,075             | 23          | 33                      | 1,552                           | 1,774                    |  |  |  |
| Puukohola Heiau NHS  | 445,609    | 82,149              | 11          | 15                      | 653                             | 751                      |  |  |  |
| Rainbow Bridge NM  | 164,719    | 48,521              | 4           | 6                       | 259                             | 296                      |  |  |  |
| Redwood NP   | 5,563,872  | 1,581,611           | 121         | 174                     | 8,703                           | 9,927                    |  |  |  |
| Richmond NBP   | 1,526,726  | 442,776             | 33          | 47                      | 2,397                           | 2,733                    |  |  |  |
| Rio Grande Wild and Scenic River                               | 122,042    | 44,939              | 4           | 5                       | 191                             | 210                      |  |  |  |
| Rock Creek Park  | 3,311,362  | 857,109             | 74          | 111                     | 5,261                           | 5,990                    |  |  |  |
| Rocky Mountain NP  | 11,354,634 | 2,822,966           | 278         | 369                     | 16,449                          | 18,152                   |  |  |  |
| Roger Williams Nmem  | 252,042    | 74,849              | 6           | 9                       | 410                             | 466                      |  |  |  |
| Russell Cave NM  | 241,459    | 57,254              | 8           | 10                      | 366                             | 419                      |  |  |  |
| Sagamore Hill NHS  | 991,648    | 246,030             | 23          | 34                      | 1,565                           | 1,783                    |  |  |  |
| Saguaro NP   | 2,799,808  | 834,379             | 71          | 98                      | 4,418                           | 5,034                    |  |  |  |
| Saint Croix NSR  | 2,362,468  | 631,391             | 50          | 69                      | 3,466                           |                          |  |  |  |
| Saint Paul's Church NHS  | 28,032     | 10,272              | 1           | 1                       | 48                              |                          |  |  |  |
| Saint-Gaudens NHS  | 789,842    | 232,498             | 16          | 23                      | 1,243                           | 1,417                    |  |  |  |
| Salem Maritime NHS   | 1,332,915  | 342,366             | 31          | 46                      | 2,115                           | İ                        |  |  |  |
| Salinas Pueblo Missions NM                                     | 961,553    | 237,400             | 28          | 36                      | 1,391                           |                          |  |  |  |
| San Antonio Missions NHP                                       | 2,031,304  | 649,387             | 47          | 69                      |                                 |                          |  |  |  |

| Table A-2. Payroll Impacts on Local Economies by Park, FY 2006 |            |                     |             |                         |                                 |                          |  |  |  |
|--|------------|---------------------|-------------|-------------------------|---------------------------------|--------------------------|--|--|--|
|  | Pa         | ırk Payroll         |             | Impacts of Park Payroll |                                 |                          |  |  |  |
| Park Unit  | Salary     | Payroll<br>Benefits | NPS<br>Jobs | Total Jobs              | Personal<br>Income<br>(\$000's) | Value Added<br>(\$000's) |  |  |  |
| San Francisco Maritime NHP                                     | 4,856,123  | 1,285,796           | 76          | 130                     | 7,744                           | 8,813                    |  |  |  |
| San Juan Island NHP  | 509,714    | 122,965             | 11          | 16                      | 801                             | 913                      |  |  |  |
| San Juan NHS   | 3,022,571  | 786,438             | 96          | 124                     | 4,655                           | 5,320                    |  |  |  |
| Santa Monica Mountains NRA                                     | 5,204,989  | 1,506,080           | 100         | 158                     | 8,429                           | 9,574                    |  |  |  |
| Saratoga NHP   | 1,198,147  | 341,971             | 27          | 37                      | 1,780                           | 1,959                    |  |  |  |
| Saugus Iron Works NHS  | 616,639    | 169,633             | 14          | 21                      | 990                             | 1,125                    |  |  |  |
| Scotts Bluff NM  | 490,293    | 130,365             | 13          | 17                      | 758                             | 866                      |  |  |  |
| Sequoia NP/ Kings Canyon NP                                    | 13,436,382 | 3,395,759           | 327         | 454                     | 20,594                          | 23,550                   |  |  |  |
| Shenandoah NP  | 9,024,880  | 2,630,620           | 218         | 317                     | 14,634                          | 16,619                   |  |  |  |
| Shiloh NMP   | 1,223,683  | 328,171             | 28          | 38                      | 1,797                           | 1,980                    |  |  |  |
| Sitka NHP  | 1,240,620  | 287,561             | 24          | 34                      | 1,776                           | 1,962                    |  |  |  |
| Sleeping Bear Dunes NL   | 3,111,276  | 678,557             | 74          | 99                      | 4,412                           | 4,879                    |  |  |  |
| Springfield Armory NHS   | 763,270    | 195,428             | 14          | 22                      | 1,211                           | 1,378                    |  |  |  |
| Statue of Liberty NM   | 7,127,749  | 1,935,738           | 153         | 231                     | 11,416                          | 12,984                   |  |  |  |
| Steamtown NHS  | 3,290,229  | 976,537             | 60          | 86                      | 4,925                           | 5,418                    |  |  |  |
| Stones River NB  | 681,400    | 163,525             | 16          | 22                      | 1,036                           | 1,186                    |  |  |  |
| Tallgrass Prairie NPres  | 543,218    | 130,489             | 14          | 18                      | 782                             | 864                      |  |  |  |
| Thaddeus Kosciuszko NMem                                       | 111,637    | 40,800              | 4           | 5                       | 189                             | 214                      |  |  |  |
| Theodore Roosevelt Birthplace NHS                              | 209,456    | 58,723              | 5           | 7                       | 337                             | 383                      |  |  |  |
| Theodore Roosevelt Inaugural NHS                               | 28,596     | 8,503               | 1           | 2                       | 47                              | 53                       |  |  |  |
| Theodore Roosevelt Island                                      | 35,758     | 11,781              | 1           | 1                       | 58                              | 65                       |  |  |  |
| Theodore Roosevelt NP  | 1,753,017  | 501,880             | 50          | 64                      | 2,605                           | 2,868                    |  |  |  |
| Thomas Stone NHS   | 212,283    | 49,380              | 6           | 8                       | 332                             | 378                      |  |  |  |
| Timpanogos Cave NM   | 902,423    | 201,547             | 30          | 40                      | 1,402                           | 1,600                    |  |  |  |
| Timucuan Ecological & Historic Pres                            | 322        | 25                  | 1           | 1                       | 0                               | 1                        |  |  |  |
| Tonto NM   | 632,619    | 179,855             | 13          | 19                      | 990                             | 1,129                    |  |  |  |
| Tumacacori NHP   | 746,627    | 203,457             | 17          | 23                      | 1,099                           | 1,211                    |  |  |  |
| Tuskegee Airmen NHS  | 326,414    | 105,545             | 10          | 13                      | 523                             | 595                      |  |  |  |
| Tuskegee Institute NHS   | 558,018    | 157,512             | 13          | 18                      | 872                             | 995                      |  |  |  |
| Tuzigoot NM  | 11,330     | 2,990               | 2           | 2                       | 18                              | 20                       |  |  |  |
| Ulysses S. Grant NHS   | 613,999    | 176,145             | 16          | 23                      | 993                             | 1,128                    |  |  |  |
| Upper Delaware SRR   | 1,734,662  | 459,934             | 30          | 44                      | 2,542                           | 2,802                    |  |  |  |
| USS Arizona Memorial   | 1,519,934  | 359,214             | 34          | 51                      | 2,381                           | 2,715                    |  |  |  |
| Valley Forge NHP   | 4,751,590  | 1,296,118           | 81          | 126                     | 7,378                           | 8,424                    |  |  |  |
| Vanderbilt Mansion NHS   | 720,653    | 173,566             | 20          | 27                      | 1,132                           |                          |  |  |  |
| Vicksburg NMP  | 1,679,601  | 453,197             | 45          | 61                      | 2,603                           |                          |  |  |  |
| Virgin Islands NP  | 3,124,678  | 860,876             | 77          | 102                     | 4,610                           |                          |  |  |  |
| Voyageurs NP   | 2,634,037  | 750,407             | 53          | 74                      | 3,911                           |                          |  |  |  |
| War in the Pacific NHP   | 683,267    | 143,705             | 15          | 21                      | 964                             |                          |  |  |  |
| Washita Battlefield NHS  | 308,492    | 83,097              | 10          | 13                      |                                 | Ī                        |  |  |  |

| Table A-2. Payroll Impacts on Local Economies by Park, FY 2006 |            |                     |             |                         |                                 |                          |  |  |  |
|--|------------|---------------------|-------------|-------------------------|---------------------------------|--------------------------|--|--|--|
|  | Pa         | ark Payroll         |             | Impacts of Park Payroll |                                 |                          |  |  |  |
| Park Unit  | Salary     | Payroll<br>Benefits | NPS<br>Jobs | Total Jobs              | Personal<br>Income<br>(\$000's) | Value Added<br>(\$000's) |  |  |  |
| Weir Farm NHS  | 567,606    | 170,358             | 12          | 18                      | 925                             | 1,050                    |  |  |  |
| Whiskeytown-Shasta-Trinity NRA                                 | 3,115,700  | 883,139             | 85          | 115                     | 4,871                           | 5,557                    |  |  |  |
| White House  | 5,369,992  | 1,261,834           | 104         | 163                     | 8,404                           | 9,585                    |  |  |  |
| White Sands NM   | 1,043,951  | 315,382             | 23          | 31                      | 1,568                           | 1,725                    |  |  |  |
| Whitman Mission NHS  | 556,383    | 141,834             | 12          | 16                      | 809                             | 893                      |  |  |  |
| William Howard Taft NHS  | 379,042    | 112,123             | 9           | 13                      | 616                             | 700                      |  |  |  |
| Wilson's Creek NB  | 1,335,122  | 367,978             | 31          | 43                      | 2,077                           | 2,371                    |  |  |  |
| Wind Cave NP   | 2,509,074  | 714,836             | 66          | 90                      | 3,926                           | 4,478                    |  |  |  |
| Wolf Trap Farm Park  | 2,505,275  | 543,037             | 67          | 94                      | 3,875                           | 4,426                    |  |  |  |
| Women's Rights NHP   | 753,217    | 201,748             | 15          | 21                      | 1,106                           | 1,219                    |  |  |  |
| Wrangell-St Elias NP & Pres                                    | 3,345,348  | 693,280             | 58          | 85                      | 4,708                           | 5,209                    |  |  |  |
| Wright Brothers NMem   | 453,337    | 107,259             | 12          | 16                      | 651                             | 719                      |  |  |  |
| Wupatki NM   | 2,290,368  | 596,522             | 49          | 71                      | 3,528                           | 4,032                    |  |  |  |
| Yellowstone NP   | 27,395,675 | 7,157,180           | 596         | 856                     | 42,224                          | 48,251                   |  |  |  |
| Yosemite NP  | 28,114,818 | 7,085,167           | 710         | 935                     | 40,823                          | 45,040                   |  |  |  |
| Yukon-Charley Rivers Npres                                     | 955,517    | 233,615             | 26          | 33                      | 1,380                           | 1,524                    |  |  |  |
| Zion NP  | 7,085,025  | 1,888,215           | 190         | 257                     | 10,957                          | 12,516                   |  |  |  |

Table A-3. Payroll Impacts on Local Economies, Administrative Units and Parks without Visit **Counts**, 2006 **Park Payroll Impacts of Park Payroll** Personal Pavroll Income Value Added Jobs (000's)Park Unit Salary **Benefits** Jobs (000's)23,620 Administration Team Coord, PGSO 16,010,228 2,807,097 251 411 26,822 1,219,095 266,342 32 1,888 2,156 Administrative Program Cntr 19 Ala Kahakai NHT 73,269 21,581 2 115 131 62 109 Alaska Regional Office 4,339,843 856,758 6,629 7,584 American Memorial Park 474.247 110.774 15 718 822 11 3.966 630 7 Anacostia Park 1 6 92.576 15 677 773 Anchorage Interagency Visitors Center 439.135 10 629,637 164,625 10 17 1,002 1,141 Appalachian NST Associate Reg Dir. Administration 8.704.192 1.998.699 223 318 13.575 15.490 2,464 1,581,038 361,686 20 37 2,812 Biological Resources Mgmt Division 799.702 220.442 23 1,460 Blackstone River Valley NHC 14 1,284 Boston Harbor Islands NRA 593,916 145,425 12 18 935 1,066 995,648 249,838 17 28 1,574 1,793 Boston Support Office Cedar Creek And Belle Grove NHP 211,253 48,168 5 323 365 12 114,952 8 631 716 Center For Urban Ecology 388,065 Cheseapeake Bay Program Office 804,802 217,267 12 21 1,288 1,465 154,458 253 287 Chihuahuan Desert Network 48,001 5 Columbia Cascades SO 5,314,792 1,295,297 85 138 8,205 9,267 Conservation Study Institute 61,325 7,709 2 89 103 4,171,891 31,199 Denver Service Center 17,437,076 418 609 27,363 Ebey's Landing NHRES 191.677 57.267 303 6 345 17 549 628 Erie Canalway National Heritage Corridor 358,905 89,618 14 Fairbanks Interagency Visitors Center 238.473 46.006 5 7 351 404 Flagstaff Areas 39.831 8.855 2 3 62 71 1,653,861 505,255 87 2,705 3,069 Fletc (Fed Law Enforcement Trg Cntr) 69 65.287 7 403 Flight 93 NMEM 281.783 5 446 352,990 99,438 551 629 Glen Echo Park 11 14 2 Gloria Dei Church NHS 24,555 7,881 39 45 19 26 183,650 1,097 1,248 Great Falls Park Virginia 686,720 Great Lakes Network 569,143 171,894 13 19 929 1,054 13 Greater Yellowstone Network 402,020 96,823 8 632 720 228 317 16,210 Harpers Ferry Center 9,295,740 2,266,017 14,165 Heartland Network 426,225 140,346 10 15 707 801 Historic Preservation Training Cntr 501.088 (HPTC) 1,978,154 51 73 3,132 3,567 26 1,600 Horace Albright Training Cntr 890,871 218,698 16 1,404 6 327 49,482 374 Ice Age NST 216,597 4 Illinois & Michigan Canal NHC 0 5,732,090 Intermountain Regional Office 27,750,848 496 801 42,641 48,746

Table A-3. Payroll Impacts on Local Economies, Administrative Units and Parks without Visit Counts, 2006 **Park Payroll Impacts of Park Payroll** Personal Pavroll Value Added Income Park Unit Salary **Benefits** Jobs Jobs (000's)(000's)Intermountain NR-Pro 22 1,762 972,632 254,374 32 1,548 76 2.480 Job Corps Program 1.398.995 381.422 62 2.200 Juan Bautista De Anza NHT 138,704 43,369 2 4 221 251 8,368,987 1,797,791 11,841 Kenai Fjords Lands 160 227 13,096 Keweenaw NHP 1,162,561 263,064 22 31 1,658 1,833 149,221 9 15 942 1,064 Land Acquisition Project Office 610,021 Lewis & Clark NHT 1,609,778 444,501 31 47 2,505 2,859 329 1 1 Lower East Side Tenement Museum NHS 1,347 2 19 30 1,697 Manhattan Sites 937,054 244,628 1,491 Mather Training Cntr 667,104 164,313 11 18 1,052 1,198 31 2,390 Midwest Archeological Center 1,369,639 335,371 45 2,116 13.689.007 3.265.949 230 381 21.472 24.484 Midwest Regional Office Minidoka Internment NM 5 224 256 147,222 35,301 370,608 2.582 Mississippi NR&RA 1,474,278 28 43 2.287 Museum Resources Ctr 488.825 113.559 8 13 764 871 71 National Capital Regional Office 3,159,368 695,638 106 4,898 5,593 186.639 13 22 1.220 1.391 National Information Systems Cntr 777,251 873 996 556,981 132,320 13 National Information Technology Cntr National Interagency Fire Center 3,256,629 892,989 51 83 5,127 5,778 60 94 National Mall 3,074,740 841,670 4,931 5,608 National Parks Of New York Harbor 360,766 80,715 5 9 561 640 10 National Trails System, Salt Lake City 366,807 85,726 6 563 636 1,036,802 246,847 20 31 1,595 1,802 National Trails System, Santa Fe 1,429,196 18 33 2,576 Natl Ctr For Rec & Conservation 360,372 2,261 112,191 10 16 827 937 NER Historic Architecture Program 550,148 New Jersey Coastal Heritage Trail Route 6,135 1,852 10 11 North Country NT 225.957 50.728 3 6 344 390 172,395 5 274 308 49,407 3 Northeast Education Services Center Northeast Museum Services Center 740,319 212.425 15 22 1.175 1.323 4,549,300 275 Northeast Regional Office 19,353,002 469 29,708 33,579 Northern Colorado Plateau Network 560,700 165,118 12 18 911 1,034 Northern Great Plains Network 196,606 67,185 6 329 372 16 113,501 12 714 818 NP Of American Samoa 469,391 Office Of Mexico & Latin American Affairs 0 1 0 0 Office Of The Chief Information Officer 4,813,823 1,097,363 8,559 61 114 7,500 77,332,824 16,930,379 1105 1,956 119,783 136,796 Office Of The Director Office Of The Utah State Coordinator 189,870 32,280 2 4 279 317 Office Of Wyoming State Coordinator 93,490 22,485 2 144 163 OJCC Housing 5,297 1,784 10

Table A-3. Payroll Impacts on Local Economies, Administrative Units and Parks without Visit Counts, 2006 **Park Payroll Impacts of Park Payroll Personal** Pavroll Value Added Income Park Unit Salary **Benefits** Jobs Jobs (000's)(000's)Old Post Office Tower 414,168 108,270 659 750 14 Olmstead Center For Landscape Preservation 606,045 166,939 14 20 955 1,076 91,971 3 4 138 157 Overmountain Victory NHT 18,932 Pacific Island Support Office 826,116 170,137 12 20 1,244 1,409 1.490.171 Pacific West Regional Office 6.657.283 118 184 10.145 11.476 133,223 Parashant National Monument 448,346 8 12 716 806 Pinelands NPRES (Interp Pgm) 134.973 39.683 3 215 242 4 227 31,030 Potomac Heritage NST 17,033,132 4,628,296 414 27,282 228 Presidio Of San Francisco 7,478,607 2,229,165 146 12,176 13,821 Rocky Mountain Network 286.079 85.615 5 8 466 529 1,469,981 386,734 Roosevelt-Vanderbilt Headquarters 24 40 2,342 2,665 5 9 Rosie The Riveter/WW II Homefront NHP 344,032 84,582 542 618 3 5 248 Saint Croix Island Intl HS 144,652 31,198 219 Salt River Bay NHP & Eco Pres 265,068 70,870 9 12 415 468 331 51,156 5 6 293 Sand Creek Massacre NHS 186,243 50 2,671 1,535,104 368,138 35 2,364 SE Archeological Center Selma To Montgomery NHT 191,824 46,516 6 8 296 334 5 Sonoran Desert Network 243,639 70,942 8 395 449 14,734,824 3,575,427 245 393 22,731 25,678 Southeast Regional Office Southern Arizona Group 829,620 248,668 13 1.327 1,493 22 Southern Colorado Plateau Network 421,481 123,919 8 13 684 777 229 Southern Plains Network 121.615 40.408 2 202 4 Spanish Colonial Research Center 37,884 3 195 105,063 174 8 619 Strategic Planning Division 357,741 64,990 541 United States Park Police 57,964,965 19,172,321 965 1,603 96,266 109,018 Virgin Islands Coral Reef NM 110,337 34,232 6 178 200 Washington Training Cntr 14 751 859 491,053 97,701 8 Western Archeol & Conserv Ctr 760,519 182,321 17 24 1,171 1,323 Western Arctic National Parklands 1,730,590 387,464 31 48 2,637 2,983 Yucca House NM 56,073 16,860 90 101

| Table A-4. Impacts of NPS Visitor Spending and Payroll on Local Economies by State, 2006 |                      |   |        |                     |         |                     |                     |                     |
|--|----------------------|---|--------|---------------------|---------|---------------------|---------------------|---------------------|
|  |                      | Non-Local Visitors                      |        |                     | Payroll | Impacts             | Combined<br>Impacts |                     |
| State  | Recreation<br>Visits | Spending (\$000's)                      | Jobs   | Income<br>(\$000's) | Jobs    | Income<br>(\$000's) | Jobs                | Income<br>(\$000's) |
| Alabama  | 790,039              | 20,116                                  | 403    | 7,514               | 100     | 4,416               | 503                 | 11,929              |
| Alaska   | 2,471,970            | \$ 112,029                              | 2,242  | \$ 41,254           | 1,026   | \$ 53,748           | 3,268               | \$ 95,002           |
| American Samoa   | , , , , -            | , | ,      | + / -               | 32      | 1,432               | 32                  | 1,432               |
| Arizona  | 10,542,157           | 662,556                                 | 15,361 | 260,824             | 1,445   | 68,561              | 16,805              | 329,384             |
| Arkansas   | 2,556,666            | 122,465                                 | 2,458  | 47,429              | 314     | 14,280              | 2,772               | 61,710              |
| California   | 32,566,205           | 924,533                                 | 17,977 | 424,168             | 4,407   | 218,668             | 22,383              | 642,835             |
| Colorado   | 5,289,308            | 306,052                                 | 6,118  | 111,027             | 2,275   | 109,066             | 8,393               | 220,093             |
| Connecticut  | 11,795               | 709                                     | 13     | 330                 | 18      | 925                 | 31                  | 1,255               |
| District of Columbia   | 32,397,264           | 815,688                                 | 15,414 | 380,508             | 6,761   | 385,324             | 22,176              | 765,833             |
| Florida  | 7,983,175            | 461,752                                 | 8,750  | 207,337             | 946     | 49,466              | 9,696               | 256,803             |
| Georgia  | 6,462,784            | 201,036                                 | 3,865  | 88,649              | 782     | 42,076              | 4,647               | 130,725             |
| Guam   | 40,005               | 1,295                                   | 26     | 450                 | 21      | 964                 | 47                  | 1,413               |
| Hawaii   | 5,323,425            | 290,886                                 | 5,784  | 119,448             | 509     | 24,601              | 6,293               | 144,049             |
| Idaho  | 435,806              | 15,196                                  | 286    | 5,736               | 186     | 9,741               | 472                 | 15,477              |
| Illinois   | 388,887              | 17,983                                  | 362    | 7,182               | 61      | 2,607               | 422                 | 9,789               |
| Indiana  | 2,190,492            | 47,105                                  | 941    | 16,963              | 202     | 10,909              | 1,143               | 27,872              |
| Iowa   | 225,179              | 8,116                                   | 164    | 3,195               | 54      | 2,169               | 218                 | 5,364               |
| Kansas   | 125,408              | 4,754                                   | 94     | 1,765               | 97      | 4,531               | 190                 | 6,296               |
| Kentucky   | 1,924,683            | 87,211                                  | 1,746  | 32,364              | 324     | 13,957              | 2,070               | 46,321              |
| Louisiana  | 333,508              | 15,423                                  | 310    | 6,076               | 126     | 5,774               | 436                 | 11,850              |
| Maine  | 2,083,588            | 129,476                                 | 2,604  | 51,707              | 206     | 9,343               | 2,810               | 61,050              |
| Maryland   | 3,249,642            | 150,270                                 | 2,934  | 64,757              | 381     | 17,980              | 3,314               | 82,737              |
| Massachusetts  | 9,813,899            | 378,751                                 | 7,249  | 162,526             | 809     | 40,984              | 8,058               | 203,510             |
| Michigan   | 1,649,394            | 44,764                                  | 934    | 15,591              | 248     | 11,919              | 1,182               | 27,510              |
| Minnesota  | 605,606              | 27,282                                  | 544    | 9,472               | 187     | 9,609               | 731                 | 19,081              |
| Mississippi  | 6,016,266            | 72,019                                  | 1,448  | 28,761              | 292     | 14,149              | 1,741               | 42,910              |
| Missouri   | 4,302,533            | 157,147                                 | 3,036  | 68,925              | 507     | 24,126              | 3,542               | 93,051              |
| Montana  | 3,897,415            | 236,754                                 | 4,759  | 93,793              | 937     | 44,175              | 5,696               | 137,968             |
| Nebraska   | 225,937              | 7,131                                   | 143    | 2,586               | 155     | 7,454               | 298                 | 10,039              |
| Nevada   | 5,911,839            | 174,062                                 | 3,470  | 60,432              | 347     | 16,570              | 3,818               | 77,002              |
| New Hampshire  | 25,858               | 645                                     | 14     | 323                 | 23      | 1,243               | 37                  | 1,566               |
| New Jersey   | 5,708,286            | 106,880                                 | 2,133  | 43,480              | 317     | 16,893              | 2,451               | 60,373              |
| New Mexico   | 1,620,457            | 68,429                                  | 1,366  | 25,894              | 570     | 26,178              | 1,936               | 52,072              |
| New York   | 15,154,997           | 313,554                                 | 5,948  | 142,168             | 1,122   | 55,023              | 7,070               | 197,191             |
| North Carolina   | 20,091,486           | 644,353                                 | 12,544 | 269,953             | 740     | 34,900              | 13,284              | 304,853             |
| North Dakota   | 472,986              | 21,765                                  | 434    | 7,557               | 95      | 3,975               | 529                 | 11,532              |
| Ohio   | 2,704,686            | 44,721                                  | 853    | 20,277              | 346     | 16,195              | 1,199               | 36,472              |
| Oklahoma   | 1,358,201            | 34,111                                  | 680    | 11,843              | 110     | 4,424               | 790                 | 16,267              |

| Table A-4. Impacts of NPS Visitor Spending and Payroll on Local Economies by State, 2006 |                      |                    |         |                     |          |                     |                  |                     |
|--|----------------------|--------------------|---------|---------------------|----------|---------------------|------------------|---------------------|
|  |                      | Non-Local Visitors |         |                     | Payroll  | Impacts             | Combined Impacts |                     |
| State  | Recreation<br>Visits | Spending (\$000's) | Jobs    | Income<br>(\$000's) | Jobs     | Income<br>(\$000's) | Jobs             | Income<br>(\$000's) |
| Oregon   | 806,344              | 44,097             | 905     | 15,093              | 221      | 10,008              | 1,126            | 25,101              |
| Pennsylvania   | 8,840,722            | 309,313            | 6,739   | 131,449             | 1,487    | 84,762              | 8,226            | 216,211             |
| Puerto Rico  | 1,167,558            | 53,992             | 1,086   | 21,562              | 124      | 4,655               | 1,210            | 26,217              |
| Rhode Island   | 52,671               | 3,166              | 59      | 1,472               | 9        | 410                 | 68               | 1,882               |
| South Carolina   | 1,383,500            | 44,539             | 874     | 18,869              | 124      | 5,673               | 998              | 24,542              |
| South Dakota   | 3,703,047            | 138,712            | 2,814   | 53,836              | 343      | 15,626              | 3,157            | 69,461              |
| Tennessee  | 7,758,199            | 448,227            | 8,510   | 202,176             | 498      | 23,542              | 9,008            | 225,718             |
| Texas  | 5,488,711            | 214,250            | 4,225   | 86,424              | 718      | 33,664              | 4,943            | 120,088             |
| Utah   | 7,840,356            | 409,395            | 8,538   | 156,698             | 915      | 41,272              | 9,453            | 197,970             |
| Vermont  | 22,484               | 1,040              | 21      | 415                 | 33       | 1,546               | 54               | 1,961               |
| Virgin Islands   | 825,613              | 86,764             | 2,048   | 41,307              | 140      | 5,917               | 2,187            | 47,224              |
| Virginia   | 23,414,694           | 419,842            | 8,300   | 173,537             | 1,397    | 67,176              | 9,698            | 240,713             |
| Washington   | 6,518,791            | 207,729            | 4,288   | 84,308              | 1,039    | 48,740              | 5,327            | 133,048             |
| West Virginia  | 1,737,487            | 59,012             | 1,144   | 23,584              | 642      | 29,783              | 1,786            | 53,367              |
| Wisconsin  | 442,472              | 22,575             | 479     | 9,146               | 103      | 5,471               | 581              | 14,617              |
| Wyoming  | 5,322,531            | 385,713            | 6,495   | 155,189             | 857      | 41,019              | 7,352            | 196,208             |
| N/A (Jobs Corps)   |                      |                    |         |                     | 76       | 2,200               | 76               | 2,200               |
| Total  | 272,281,049          | 9,575,585          | 189,933 | 4,017,401           | 35,804.1 | 1,799,821           | 225,733          | 5,817,146           |

## **About the NPS Social Science Program**

The role and functions of the NPS Social Science Program are to: provide leadership and direction to the social science activities of the NPS, coordinate social science activities with other programs of the NPS, act as liaison with the USGS Biological Resources Division and other federal agencies on social science activities, provide technical support to parks, park clusters, support offices, and regional offices, and support a program of applied social science research related to national research needs of the NPS.



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